

KS Gamma
Eligibility
Sec 6

RESUME

G. MORGAN POWELL

PERSONAL INFORMATION

Home Address 1622 Cedar Crest Dr., Manhattan, Kansas 66503-2292. Telephone: 913.532.5813 Office, 913.776.6335 Home

Personal Data Born: 20 June 1942, Superior, Nebraska. Raised: Republic County (Address Hardy, Nebraska) and Abilene, Kansas. Married: V. Kaye Morgan 1968. Children: Kammi, Mindy, Cherece, Erick

Hobbies/
Interests Family and outdoor activities including camping, canoeing, hiking, skiing, exploring, games, siteseeing, etc.
Lay ministry and leadership for his church.
Collecting and restoring antique furniture and other articles.
Designing and building toys, furniture and other articles.

EDUCATION

University Utah State University, Logan, Utah 84321. PhD, Agricultural Engineering, 1973 Dissertation: A Model of Surface Irrigation and Its Use for Evaluating Effects of Non-Uniform Slope Profile on Water Distribution.

University of Missouri, Columbia, Missouri. MS, Agricultural Engineering, 1967 Thesis: Effect of Erosion on Water Infiltration Rates.

Kansas State University, Manhattan, Kansas 66506. BS, Agricultural Engineering, 1965

High School Abilene High School, Abilene, Kansas. Diploma, 1960
Hardy High School, Hardy, Nebraska.

EMPLOYMENT

Extension Natural Resource Engineer, Department of Biological and Agricultural Engineering (Professor 1991 - Present; Associate Professor 1986 - 1991). Kansas State University, Cooperative Extension Service, Manhattan, Kansas. Dr. Powell's work has been primarily focused on water and environmental quality. He co-chaired Extension's multidisciplinary Water Quality Task Force. Accomplishments have included agent,

sanitarian, contractor and environmental specialist training, water quality clinics in over 80 counties, over 50 Extension bulletins, one on one problem solving for many individuals and assistance providers. He has also planned and implemented two Kansas Conference on the Environment and WET - Water Education for Teachers school enrichment program. Since 1989 Dr. Powell has been instrumental in developing treatment alternatives for onsite wastewater systems and small unsewered communities. His Extension efforts have been closely coordinated with the Kansas Department of Health and Environment and Kansas Association of Sanitarians. Dr. Powell also contributes to Extensions nonpoint source water quality program.

Liaison to Conservation Technology Information Center (CTIC) (1985 - 1986) USDA, Extension Service, Washington, DC. As liaison for USDA, Extension and Cooperative State Research Service to CTIC, Dr. Powell coordinated communication between CTIC and Extension Service Specialists and University Researchers throughout the nation. He prepared a survey of conservation tillage attitudes used to assess and evaluate assistance providers nationwide. He also abstracted research papers, other publications and bulletins for bibliographies of water quality and economics of conservation tillage.

Extension Natural Resource Engineer, Agricultural Engineering Department (Assistant Professor 1977 - 1984; Associate Professor 1984 - 1985) Kansas State University, Cooperative Extension Service, Manhattan, Kansas. As part of a multidiscipline Extension team Dr. Powell provided engineering inputs for conservation tillage, conservation structures and other conservation practices. Under his leadership two statewide conservation field days demonstrated terrace system alternatives and terrace outlet options for improved farmability, terrace system maintenance and building a farm pond. He helped assess nonpoint source impacts on water quality and formulate management practices to address water quality problems.

Project Manager, Consulting Engineer (1974 - 1977) CH₂M Hill, Incorporated, Denver, Colorado. Dr. Powell managed several projects and worked on many projects involving wastewater or sludge application on land for treatment and disposal. His accomplishments included serving as a member of a technical transfer training team that made presentations on evaluating, planning and designing land based wastewater treatment systems for engineers in all 10 EPA Regions. His input was reprinted as an EPA technology transfer manual. He also provided assessment and planning for several nonpoint source plans (Section 208, Clean Water Act) and several irrigation projects. The irrigation work included a master plan for management of groundwater levels within and adjacent to a large irrigation district area.

Project Engineer, Consulting Engineer (1971 - 1974) CH₂M Hill, Incorporated, Redding, California. Dr. Powell's leadership in evaluating land-based wastewater treatment alternatives set an example of careful evaluation used for many similar projects within and outside of CH₂M Hill. He helped assess nonpoint source impacts in the Section 208 plan

for the central valley area of Northern California and provided inputs for several irrigation projects.

Research Assistant (1967 - 1971) Utah State University, Department of Agricultural and Irrigation Engineering, Logan, Utah (school year) and USDA, ARS, Snake River Conservation Research Center, Kimberly, Idaho (summers 67, 68, 69). Dr. Powell developed a digital computer model of surface irrigation, collected data to calibrate and evaluate the model and used the model to analyze the effect of field slope profiles on water distribution in surface irrigation. He was also assisted with several other projects.

Research Associate and Research Assistant (1965 - 1967) University of Missouri, Agricultural Engineering Department, Columbia, Missouri. Powell supervised construction of a sprinkling infiltrometer and utilized the equipment to make field measurements to evaluate the effect of erosion on water infiltration rates.

HONORARY AND PROFESSIONAL ORGANIZATIONS (CURRENTLY ACTIVE)

- Alpha Epsilon -- Agricultural Engineering Honor Society.
- *American Society of Agricultural Engineers, Life Member.*
- American Water Works Association.
- Epsilon Sigma Phi -- Extension Professional Society
- Gamma Sigma Delta -- Agricultural Honor Society.
- *Kansas Association of Sanitarians.*
- *Kansas Historical Society, Life Member.*
- National Ground Water Association.
- National Society of Professional Engineers.
- Steel Ring -- Professional Engineers Honorary at Kansas State University.
- *Soil and Water Conservation Society, Life Member.*
- Soil Conservation Society of America.
- *US Committee on Irrigation and Drainage, Life Member.*

PROFESSIONAL LICENSE/REGISTRATION (CURRENT)

- *California, Civil Engineer, Certificate # 25272, since 1974.*
- Colorado, Professional Engineer
- *Kansas, Professional Engineer, Certificate # 7246, since 1976.*
- Nebraska, Professional Engineer

COMMUNITY SERVICE

Dr. Powell has been involved for many years in service to his community. He has actively supported Boy Scouts of America, his church, family's 4-H Club and the 4-H organization. His leadership includes Assistant Scoutmaster, Scoutmaster, Troop Committee and Chair

of Special Committees for Boy Scouts of America. His church service includes Sunday school president, Sunday school teacher, youth advisor, priesthood president, building and custodial supervisor, clerk, assistant clerk, welfare farm manager and Bishop. For 3 1/2 years as building supervisor, he was responsible for all care, maintenance, improvements and construction for 7 buildings with a value in excess of \$7 million. He was responsible for all aspects of custodial supervision including hiring, training, evaluating and promoting a staff of 10 employees. He supervised a public water system for the largest of these buildings for 5 years. As welfare farm manager, he supervised all aspects of farm operations including planning, scheduling and equipment. He also designed and supervised irrigation development and selection and purchase of equipment. As Bishop of the Manhattan First Ward since December 1991 he has been leader of a congregation of 400 to 500 members.

FAMILY FARM EXPERIENCE

Dr. Powell grew up on a diversified grain and livestock farm in North Central Kansas. He participated in all aspects of producing crops and caring for livestock. He was involved with the conversion of about one fourth of this farm to irrigation in 1955-58. This farm is under his supervision today. In recent years, he also planned, designed and supervised construction of approximately 140 acres of new irrigation development. He planned, designed and supervised development of numerous improvements in existing irrigation facilities, conservation system components and new conservation system facilities.

AWARDS, HONORS AND RECOGNITIONS

Steel Ring - KSU, Engineering Honorary, 1964-1965.

Alpha Epsilon - Agricultural Engineering Honorary, 1966.

Gamma Sigma Delta - Agricultural Honorary, 1966.

ASAE Blue Ribbon Award, Educational Aids - Publications: G.M. Powell, L.D. Bark. Is Weather Radio for You? 1981.

ASAE Blue Ribbon Award, Educational Aids - Publications: G.M. Powell, J.M. Steichen. Terrace Outlet Alternatives and Terrace System Options and G.M. Powell, Terrace Maintenance. (Series of 3 bulletins) 1981.

ASAE Blue Ribbon Award, Educational Aids - Extension Methods: G.M. Powell. Portable Bulletin Display. Table top display for bulletins. 1982.

ASAE Blue Ribbon Award, Educational Aids - Publications: G.M. Powell. BMP's and Water Quality. 1983.

ASAE Blue Ribbon Award, Educational Aids - Extension Methods: G.M. Powell, C.P. Sauerwein, A.J. Dinkel, T.M. Maxwell, S.O. Nyhart. Conservation Planter Demonstration - Series. 1983.

ASAE Blue Ribbon Award, Educational Aids - Publications: D.L. Regehr, David A. Whitney, G.M. Powell, D.A. Pacey, K. Janssen. Ridge-Till Row Crop Production. 1985.

- ASAE Blue Ribbon Award, Educational Aids - Extension Methods: D.A. Pacey, G.M. Powell, D.K. Kuhlman, M.D. Schrock. Conservation Tillage Machinery Tour for Extension Agents and Specialists. 1985.
- ASAE Blue Ribbon Award, Educational Aids - Manual: G.M. Powell, E.B. Kling. Water Education for Teachers - W.E.T. 1991.
- ASAE Blue Ribbon Award, Educational Aids - Extension Methods: G.M. Powell, M.H. Bradshaw. Water Quality Clinics. 1991.
- Epsilon Sigma Phi, Kansas Interdisciplinary Team Award: R.D. Black, M.H. Bradshaw, G.M. Powell. Water Quality Clinics. April 1992.

SELECTED & MAJOR PROFESSIONAL DEVELOPMENT TRAINING/SHORT COURSES, since 1991

- Small Municipal Wastewater Systems. USEPA National Conference, Kansas City, Missouri, January 29-30, 1991.
- 41st Environmental Engineering Conference. University of Kansas, Civil Engineering, Lawrence, Kansas, February 6, 1991.
- Minnesota Onsite Wastewater: Basic Course. University of Minnesota, Cooperative Extension Service, St. Paul, Minnesota, April 23-25, 1991.
- Hach Water Analysis Training. Hach Co., Loveland, Colorado, September 19-20, 1991.
- Onsite Wastewater Symposium: The Sixth National Symposium on Individual and Small Community Sewage Treatment. American Society of Agricultural Engineers, Chicago, Illinois, December 16-17, 1991.
- Kansas Land Improvement Contractors Association - Annual Meeting. Lawrence, Kansas, January 13-14, 1992.
- 42nd Environmental Engineering Conference. University of Kansas, Civil Engineering, Lawrence, Kansas, February 5, 1992.
- Drinking Water Treatment: Technology Transfer Workshop. USEPA Region VII, Kansas City, Missouri, February 19-20, 1992.
- Hydrogeologic Short Course. Kansas Geological Survey, Great Bend, Kansas, February 17, 1992.
- Water and Future of Kansas. Kansas State University, Water Resources Research Institute, Manhattan, Kansas, March 4-5, 1992.
- Water Quality Impact on Endangered Ecosystems. US Fish and Wildlife Service, Topeka, Kansas, March 6, 1992.
- Missouri Extension Inservice Training: Wells and Wellhead Protection. University of Missouri, Columbia, Missouri, April 27-29, 1992.
- Water and Wastewater Operators School. University of Kansas, Lawrence, Kansas, August 4-6, 1992.
- Kansas Association of Sanitarians - Annual Meeting. Great Bend, Kansas, Oct. 7-9, 1992.
- Minnesota Onsite Wastewater: Basic Review and Advanced Training. University of Minnesota, Cooperative Extension Service, St. Paul, Minnesota, February 1-4,

- 1993.
- 43th Environmental Engineering Conference. University of Kansas, Lawrence, Kansas, February 10, 1993.
- Water and Future of Kansas. Kansas State University, Water Resources Research Institute, Manhattan, Kansas, March 3-4, 1993.
- Low-Cost Wastewater Collection for Small Communities. USEPA Region VII, Kansas City, Missouri, March 11-12, 1993.
- Innovative Water and Wastewater Treatment - Technology Transfer. USEPA Region VII, Kansas City, Missouri, April 26-27, 1993.
- Small Community Outreach. USEPA Region VII, Kansas City, Missouri, May 19-20, 1993.
- Constructed Wetlands Research Tour. University of Missouri, Columbia, Missouri, May 25-26, 1993. Dr. Powell made all contacts and arrangements for this tour involving several local, state and federal agencies.
- American Society of Agricultural Engineers - National Summer Meeting. Spokane, Washington, June 21-23, 1993.
- Kansas Association of Sanitarians - Annual Meeting. Overland Park, Kansas, October 5-8, 1993.
- National Ground Water Association - Annual Meeting. Kansas City, Missouri, October 19-20, 1993.
- Kansas Pollution Prevention Symposium. Kansas Department of Health and Environment, Wichita, Kansas, November 9-10, 1993.
- American Society of Agricultural Engineers - National Winter Meeting. Chicago, Illinois, December 14-17, 1993.
- Kansas Ground Water Association - Annual Meeting. Great Bend, Kansas, January 18-19, 1994.
- 44th Environmental Engineering Conference. University of Kansas, Lawrence, Kansas, February 2, 1994.
- Water and Future of Kansas. Kansas State University, Water Resources Research Institute, Manhattan, Kansas, March 2-3, 1994.
- American Society of Agricultural Engineers - Mid-Central Annual Meeting. St. Joseph, Missouri, March 11-12, 1994.
- Kansas Rural Water Association - Annual Meeting. Wichita, Kansas, March 29-30, 1994.
- Kansas Water Pollution Control Federation/Missouri Water and Environment Federation - Joint Annual Meeting. Kansas City, Missouri, April 12-13, 1994.
- Kansas Association of Sanitarians - Spring Meeting. McPherson, Kansas, April 28, 1994.
- Extension Agricultural and Biological Engineers: Northcentral Region Workshop. St. Paul, Minnesota, May 16-18, 1994.
- Kansas Environmental Awareness Council - Quarterly Meetings. Topeka, Kansas, March 11, 1994, Wichita, Kansas, June 16-17, 1994.
- American Society of Agricultural Engineers - National Summer Meeting. Kansas City, Missouri, June 20-23, 1994.
- Focus on the Consumer Seminar. American Water Works Association, Lawrence, Kansas, August 2, 1994.

- Basics of Environmental System Management for Small Communities. National Environmental Training Center for Small Communities (NETCSC), Alexandria, Virginia, August 16-17, 1994.
- Small Community Workshop. USEPA Region VII, Kansas City, Missouri, September 19-20, 1994.
- Secretary's Tour of Environmental Problems - Northeast Kansas. Kansas Department of Health and Environment, Johnson County, Kansas, September 28, 1994.
- Urban Soil Conservation and Water Quality Benefits - Demonstration. Lawrence, Kansas, October 6, 1994.
- Kansas Association of Sanitarians - Annual Meeting. Hutchinson, Kansas, October 12-14, 1994.
- American Society of Agricultural Engineers - Kansas Section, Manhattan, Kansas, October 21, 1994.
- Kansas Conference on the Environment. Kansas State University, Salina, Kansas, October 27, 1994.
- Time Management Seminar. Franklin Quest, Kansas City, Missouri, November 15, 1994.
- Basics of Environmental Systems Management for Small Communities (instructor). NETCSC, Kansas City, Missouri, December 7-8, 1994.
- Kansas Land Improvement Contractors Conference - Annual Meeting. Lawrence, Kansas, January 9-10, 1995.
- 45th Environmental Engineering Conference. University of Kansas, Lawrence, Kansas, February 1, 1995.
- Water Quality Project Workshop. USDA, Extension Service, North Central Region, Kansas City, Missouri, January 30-February 1, 1995.
- Water and Future of Kansas. Kansas State University, Water Resources Research Institute, Manhattan, Kansas, February 28-March 1, 1995.
- Clean Water - Clean Environment Conference. USDA, Northcentral Region, Kansas City, Missouri, March 6-8, 1995.
- Wellhead Protection Training. Kansas Department of Health and Environment, Hays, Kansas, April 4-5, 1995.
- Natural Resource/Environmental Management: Extension Focus Workshop. USDA, Northcentral Region, Minnesota, May 8-10, 1995.
- National Watershed Planning: Training Course. USEPA, Kansas City, Missouri, May 15, 1995.
- Kansas Association of Sanitarians - Spring Meeting. McPherson, Kansas, May 17-18, 1995.
- Missouri Water Quality Conference. University of Missouri, Cooperative Extension Service, Osage Beach, Missouri, May 8-9, 1995.
- American Society of Agricultural Engineers - Annual Meeting. Chicago, Illinois, June 20-21, 1995.
- Local Environmental Planning Program - Directors Conference and Training. Kansas Department of Health and Environment, Topeka, Kansas, July 19, 1995.
- Nonpoint Source (NPS) Training for Coordinators. State Conservation Commission,

- E.B. Kling, G.M. Powell. Development of 4-H School Enrichment Program: W.E.T. - Water Education for Teachers. Kansas 4-H Foundation, July 1988 - June 1989. \$6,000.
- G.M. Powell, M.H. Bradshaw. Printing of Household Product Disposal Guide. Hallmark, September 1990. \$2600.
- G.M. Powell. Printing of Household Hazardous Waste Publications. Kansas Department of Health and Environment, February 1991. \$1550.
- G.M. Powell, M.H. Bradshaw. Printing of Water Quality Publications. Kansas Department of Health and Environment, May 1991. \$4000.
- G.M. Powell, M.H. Bradshaw. Printing of Water Quality Publications. Kansas Department of Health and Environment, FY 1991 - 1992. \$8000.
- G.M. Powell (through Continuing Education). Onsite Wastewater Treatment Training. Kansas Department of Health and Environment, LEP Target Funds, April, 1992.
- G.M. Powell, M.H. Bradshaw. Printing of Water Quality Publications. Kansas Department of Health and Environment, FY 1992 - 1993. \$6000.
- J.S. Hickman, D.H. Rogers, G.M. Powell. Demonstration of Farmstead Assessment Systems, Kansas Department of Health and Environment (USEPA, Section 319 funds), July 1993 - June 1995. \$38,000.
- J. Willingham, G.M. Powell. Installation and Testing of Sand Filters. Kansas Department of Health and Environment, LEP Target Funds, January 4, 1995. \$25,000.
- G.M. Powell. Review and Evaluation of Basics of Environment System Management Training Materials. National Environmental Training Center for Small Communities, January 6, 1995. \$1,500.
- G.M. Powell (through Continuing Education). Septic System Installer Training. Kansas Department of Health and Environment, LEP program (through Lyon County Health Department), February, 1995. \$3,500.
- G.M. Powell (through Continuing Education). Kansas Conference on the Environment. Western Resources, Inc., July, 1995. \$7,500.
- Extension Television (Arranged by G.M. Powell). Safe Private Well Video. Kansas Department of Health and Environment, flood evaluation project, October 1995. \$8,500.

K. Mankin, G.M. Powell. Assessment of Constructed Wetlands as an Alternative Onsite Wastewater Treatment. Kansas Water Resources Research Institute, October 1995, proposed \$7,752. Passed the first round of cuts. No decision yet, we assume because of the lack of a Federal budget.

D. Devlin, G.M. Powell, D. Buchholz. Kansas Environmental Leadership Program. Kansas Department of Health and Environment (USEPA 319 funding), Proposal submitted October 1995 for \$500,000. Letter from KDHE December 22, 1995 said that EPA would fund for \$400,000. Proposal resubmitted January 1996 for \$400,000.

G.M. Powell (through Continuing Education). Septic System Installer/Pumper Training. Kansas Department of Health and Environment, LEP program (through Northwest Local Environmental Planning Group), November 1995. \$10,440.

REFEREED PUBLICATIONS

J.M. Steichen and G.M. Powell. Measuring Farmability of Terrace Systems. *Transactions of American Society of Agricultural Engineers* Vol. 28, No. 4, pp 1130-1134, 1985.

J.E. Morrison, Jr., R.R. Allen, D.E. Wilkins and G.M. Powell et. al. Conservation Planter, Drill and Air-Type Seeder Selection Guideline. *Applied Engineering in Agriculture American Society of Agricultural Engineers* V4, No. 4, pp. 300-309, 1988.

INVITED PRESENTATIONS WITH PAPER

G.M. Powell. Combining the Elements into a Project. Sprinkler Irrigation Association Short Course, Fresno, California, December 1973.

G.M. Powell. Land Treatment of Municipal Wastewater Effluents, Design Factors II. Environmental Protection Agency, Technology Transfer, Seminar Publication, January 1976. Presented in each of ten EPA Regions, April-December, 1975.

G.M. Powell. Waste Application Through Sprinklers. Sprinkler Irrigation Association Short Course, Logan, Utah, January 1976.

G.M. Powell. Review and Evaluation of Muskegon County, Michigan, Land Based Wastewater Treatment System. Research Review Conference, By invitation of USEPA Region V, Muskegon, Michigan, September 1976.

G.M. Powell. Selection of Land Application Alternatives for Obtaining Various Levels of Effluent Quality 30/30 vs. 10/10. Second Mid-American Environmental Engineering Design Conference, Oklahoma State University, Wagoneer, Oklahoma, May 26-27,

1977.

R.B. Williams and G.M. Powell. Comparison of Costs: Municipal Wastewater Treatment by Infiltration/Percolation Basins. Second Mid-American Environmental Engineering Design Conference, Oklahoma State University, Wagoneer, Oklahoma, May 26-27, 1977.

G.M. Powell. Household Water Quality Education - The Cooperative Extension System Role. Proceedings of Conference on Point-of-Use Treatment of Drinking Water, EPA, Cincinnati, Ohio, October 1987. EPA/600/O-88.012 June 1988.

TECHNICAL PAPERS AND PRESENTATIONS

G.M. Powell and R.P. Beasley. Effect of Erosion on Water Infiltration Rates. Research Bulletin 922, Agricultural Experiment Station, University of Missouri, Columbia, Missouri, 1967.

G.M. Powell, M.E. Jensen, and L.G. King. Optimizing Distribution in Surface Irrigation by Non-Uniform Slopes. Presented at American Society of Agricultural Engineers, Winter Meeting, Chicago, Illinois, December 1972.

R.W. Charley, E.V. Lance and G.M. Powell. A Groundwater Model as a Tool in Planning and Management. Presented at American Society of Civil Engineers, Irrigation and Drainage Division Specialty Conference, Ft. Collins, Colorado, August 1973.

G.M. Powell. Storage Reservoir Requirements for Supplemental Irrigation in Eastern Kansas. Irrigation Workshop, Kansas State University, Cooperative Extension Service, Manhattan, Kansas, February 1978.

G.M. Powell, J.M. Steichen, R.J. Patronskey, and J.R. Wallace. Improving Farmability of Terrace Systems. Paper No. 80-2043 presented at American Society of Agricultural Engineers, Summer Meeting, 1980.

J.M. Steichen, J.K. Koelliker, and G.M. Powell. Design and Construction of Underground Terrace Outlets. Paper No. MCR-81-103 presented at American Society of Agricultural Engineers, Mid-Central Meeting, St. Joseph, Missouri, 1981.

J.M. Steichen and G.M. Powell. Terrace Design for Improved Field Efficiency. Paper No. 81-2048 presented at American Society of Agricultural Engineers, Summer Meeting, 1981.

G.M. Powell and J.M. Steichen. Effect of Changing Terrace Designs and Farm Mechanization on Farmability of Terrace Systems. Presented at Soil Conservation

Society of America, Annual Meeting, Oklahoma City, Oklahoma, 1984.

Conservation Tillage Information Center. Water Quality Implications of Conservation Tillage: A Reference Guide. Review of publications and preparation of citations and abstracts made by G.M. Powell. First Edition 1986.

Conservation Tillage Information Center. Economics of Conservation Tillage: A Reference Guide. Review of publications and preparation of citations and abstracts made by G.M. Powell. First Edition 1986.

G.M. Powell and L.P. Herndon. Maintenance of Field Conservation Structures. Presented at Soil and Water Conservation Society - Annual Meeting, Billings, Montana, 1987.

G.M. Powell, L.P. Herndon and J.M. Steichen. The Role of Standards in Soil Water Conservation. *Proceedings of Conservation Systems Symposium - Optimum Erosion Control at Least Cost*. American Society of Agricultural Engineers. December 1987.

G.M. Powell and L.P. Herndon. The Development of Maintenance Standards for Soil and Water Conservation Structures. *Proceedings of Conservation System Symposium - Optimum Erosion Control at Least Cost*. American Society of Agricultural Engineers. December 1987.

POPULAR JOURNALS AND PUBLICATIONS

G.M. Powell and G.L. Culp. AWT vs. Land Treatment: Montgomery County, Maryland. *Water and Sewage Works*, April 1973.

G.M. Powell, R.I. Lipper, and W.H. Johnson. Ag Engineers as Private Consultants: The Kansas Experience. *Journal of Agricultural Engineering* Vol. 1, No. 12 pp. 8-10. December 1980. Condensed from Development of Consulting Agricultural Engineering in Kansas. Paper No. NCR-80-603 presented at American Society of Agricultural Engineers, 1980 Mid-Central Meeting.

G.M. Powell. The Impact of No-Till and Lo-Till. *USDA, Extension Review* Vol. 57, no. 2, Spring 1986.

G.M. Powell. CTIC - Conservation Educator. *USDA, Extension Review* Vol. 57, No. 2, Summer 1986.

G.M. Powell. ...and Not a Drop to Drink? *USDA Extension Review* Vol 59, No. 3, Fall 1988.

Dr. Powell has been a technical consultant for many articles in *Kansas Farmer*, *Farm Journal*, *Soybean Digest* and other magazines.

BOOKS AND HANDBOOKS

G.M. Powell, R.D. Black, M.H. Bradshaw and Water Quality Task Force. *Household Water Quality Handbook*. Unnumbered, October 1987, Major revision July 1989, Major revision November 1990. Major revision November 1991. New edition in process.

G.M. Powell, E.B. Kling. *Water Education for Teachers (W.E.T.)* Loose leaf, 175 page resource notebook including lesson plans, activities, worksheets, bulletin board plans and resource materials. Unnumbered, April 1989.

G.M. Powell, Editor. *Environmental Health Handbook*. Kansas Association of Sanitarians, Kansas Department of Health and Environment, Kansas Cooperative Extension Service. Draft February 1992, First Edition, August 1992.

G.M. Powell and M.H. Bradshaw, editors. *Environmental Concerns - Pollution Prevention*. Cooperative Extension Service, Kansas State University, November 1993. Contains over 50 resource materials in 6 sections for notebook holders.

EXTENSION PUBLICATIONS

R.H. Follett, G.M. Powell. Control of Water Pollution from Cropland. MF-444, October 1977.

G.M. Powell. Operating, Checking and Caring for Levels. LR-10, December 1977.

G.M. Powell. Reducing Pond Water Losses. LR-15, December 1977.

G.M. Powell. Kinds and Types of Levels. LR-17, December 1977.

G.M. Powell. Terrace Maintenance. LR-16, February 1978, Revised as AF-10 December 1978, Major revision as L-583, April 1982.

G.M. Powell. Terrace Farmability. Unnumbered, May 1978.

G.M. Powell. Detecting and Controlling Water Erosion. Unnumbered, 1978.

G.M. Powell. Farm Pond Maintenance. LR-18, May 1978, Reprinted as AF-3 November 1978.

- G.M. Powell, P.O. Ohlenbusch. Farm Pond Improvements. AF-16, November 1978, Revised as L-675 May 1983.
- G.M. Powell. Plowing Terraced Land. AF-17, November 1978.
- G.M. Powell. Emergency Wind Erosion Control. AF-23, February 1979.
- G.M. Powell. Using a Level. AF-19, June 1979.
- G.M. Powell. Consulting Engineers Serving Agriculture, (Registered Professional Engineers - Licensed in Kansas). April 80, Revised January 1982.
- G.M. Powell. Consulting Agricultural Engineers for Farms and Agri-Business. AF-56, May 1980.
- G.M. Powell. Improving Field Farmability. AF-33, June 1980.
- G.M. Powell, J.P. Murphy. Anaerobic Digestion of Livestock Wastes. Unnumbered, August 1980.
- G.M. Powell, J.M. Steichen. Terrace Outlet Alternatives. AF-70, February 1981.
- D. Gabelhouse, F.R. Henderson, G.M. Powell. Managing Ponds for Fish and Wildlife. L-563, March 1981.
- G.M. Powell, J.M. Steichen. Terrace System Options. AF-74, March 1981.
- G.M. Powell, L.D. Bark. Is Weather Radio for You? L-564, April 1981.
- L.D. Bark, G.M. Powell. Precipitation Probability Forecasts. L-569, June 1981.
- L.D. Bark, G.M. Powell. Weather Forecasts. L-568, June 1981, Major revision June 1985.
- G.M. Powell. BMP's and Water Quality. Unnumbered, June 1981.
- G.M. Powell. Conservation Planter Demonstration Guidelines. Unnumbered. 1982, Revised May 1984.
- G.M. Powell. Organizing Terrace Maintenance Demonstrations. Unnumbered. 1982, Revised 1984, Revised as MF-1035 by H. Kok, R.D. Black, April 1992.
- G.M. Powell. Irrigating Soybeans. Section of Soybean Handbook, C-449, May 1982.

- G.M. Powell. Row Crop Planters for Heavy Residues. L-633, July 1982.
- G.M. Powell. Drills and Seeders for Heavy Residues and Untilled Soils. L-634, June 1982.
- G.M. Powell. Your Conservation Health - A Self Diagnosis. L-649, September 1982.
- G.M. Powell. Manufacturers of Air Seeders for Solid Seeding and Fertilizing. Unnumbered, October 1982, Revised 1983, Revised 1984.
- G.M. Powell. Manufacturers of No-Till Disk Drills for Heavy Residues. Unnumbered, October 1982, Revised 1983, Revised 1984.
- G.M. Powell. Manufacturers of High Residue Row Crop Cultivators. Unnumbered, October 1982, Revised 1983, Revised January 1984, Major revision January 1985.
- R.A. Bohannon, G.M. Powell, J.C. Dark, G.J. Schurr. Management of Grass Waterways. L-651, September 1982.
- G.M. Powell, P.O. Ohlenbusch. Pond Improvements. L-675, May 1983.
- G.M. Powell. Manufacturers of Drills and Seeders for Use in Heavy Residues. Unnumbered, December 1983, Major revision January 1985.
- G.M. Powell. Calibrating a Seeder. Unnumbered, March 1984.
- G.M. Powell. Be a Water Saver Series: Around the Yard, By Do-It-Yourself Improvements, On The Farm (with J.P. Harner), At Home and Water Use Facts. Unnumbered, September 1984.
- G.M. Powell. Conservation Attachments for Planters and Drills. Unnumbered, January 1985.
- D.L. Regehr, D.A. Whitney, G.M. Powell, D.A. Pacey, K.A. Jansen. Ridge-Till Row Crop Production. C-662, February 1985.
- G.M. Powell. Terrace System Maintenance Guidelines. Unnumbered, May 1985.
- R.E. Lamond, J.S. Hickman, G.M. Powell. Nitrate and Groundwater. MF-857, April 1987, Major revision October 1993.
- G.M. Powell. Suggested Water Tests for Private Systems. MF-871, June 1987, Major revision February 1989, Major revision June 1990, Major revision with M.H.

Bradshaw July 1992.

G.M. Powell. Commercial Laboratories Certified for Water Quality Tests. MF-872, May 1987, Revised February 1988, Revised July 1988, Revised March 1989, Revised July 1989, Revised February 1990, Revised June 1990, Major revision May 1991, Revised February 1992, Major revision June 1992.

G.M. Powell, M.E. Tucker. Bottled Water. MF-881, August 1987.

G.M. Powell, R.D. Black. Microfiltration. MF-882, September 1987, Revised February 1989.

G.M. Powell, R.D. Black. Activated Carbon Filters. MF-883, September 1987, Major revision May 1989.

G.M. Powell, R.D. Black. Reverse Osmosis. MF-884, September 1987, Major revision June 1990.

G.M. Powell, R.D. Black. Distillation. MF-885, September 1987, Revised May 1989.

G.M. Powell, R.D. Black. Disinfection of Private Water Supplies. MF-886, November 1987, Revised May 1989.

G.M. Powell. Help Us Make a Clean Sweep of Solid Waste. Big Lakes Region, Riley County, Kansas. Unnumbered, June 1988.

G.M. Powell, B. Snead. Radon Testing Services and Laboratories. Unnumbered, October 1988.

G.M. Powell. Is Your Drinking Water Safe? MF-909, October 1988.

G.M. Powell, R.D. Black. Shock Chlorination for Water Supplies and Distribution Systems. MF-911, February 1989, Major revision May 1990.

M.H. Bradshaw, G.M. Powell. Understanding Your Water Test Report. MF-912, April 1989, Major revision August 1991.

G.M. Powell, R.D. Black. Questions to Ask Before Buying Water Treatment Equipment. MF-923, June 1989.

G.M. Powell. Groundwater and Well Contamination. MF-932, August 1989, Major revision with R.D. Black and J.S. Hickman December 1990.

D.H. Rogers, G.M. Powell, R.D. Black. Plugging Abandoned Wells. MF-935, September 1989, Revised February 1990, Revised May 1990, Revised January 1992.

G.M. Powell, E. B. Kling. W.E.T. - Water Education for Teachers, Unnumbered. September 1989.

G.M. Powell. Maintaining Terraces. C-709, October 1989, Major revision with H. Kok December 1994.

G.M. Powell. Testing to Help Insure Safe Drinking Water. MF-951, February 1990, Revised May 1990, Major revision May 1991, Revised February 1992, Major revision July 1992, Major revision September 1993.

G.M. Powell. Septic Tank - Soil Absorption Systems. MF-944, March 1990, Major revision July 1992.

G.M. Powell. Soil Evaluation for Home Septic Systems. MF-945, March 1990.

G.M. Powell. Why Do Septic Systems Fail? MF-946, March 1990, Major revision with J.M. Willingham October 1991.

G.M. Powell. Septic Tank Maintenance. MF-947. March 1990, Major revision with J.M. Willingham October 1991, Major revision April 1994.

G.M. Powell, M.H. Bradshaw, D.F. Waldo, H. Duncan, S.F. Paige, D.R. Plummer, J. Current, W.S. Sullins. Ensuring Safe Drinking Water. MF-952, March 1990.

G.M. Powell. Taking A Water Sample. MF-963, September 1990.

G.M. Powell, M.H. Bradshaw. Household Product Disposal Guide. MF-965, September 1990, Revised October 1991.

— Automotive Products. In cooperation with Kansas Department of Health and Environment. L-825, February 1991.

— Paints and Solvents. In cooperation with Kansas Department of Health and Environment. L-826, February 1991.

— Using Household Products Wisely. In cooperation with Kansas Department of Health and Environment. L-827, February 1991.

— Using Pesticides Safely. In cooperation with Kansas Department of Health and Environment. L-828, February 1991.

- R.D. Black, G.M. Powell, D.H. Rogers. Safe Domestic Wells. MF-970, January 1992.
- G.M. Powell and M.H. Bradshaw. Choosing Bottled Water. MF-1037, May 1992.
- J.S. Hickman, K.L. Herbel, D.H. Rogers, G.M. Powell. An Action Program for Safe Drinking Water: Farmstead Assessment System (Farm*A*Syst). MF-1050. September 1992, Major Revision February 1994.
- D.H. Rogers, G.M. Powell, et al. Drinking Water Well Condition Worksheet. 29005-1W, October 1992, Revised October 1993. Improving Drinking Water Well Condition. 29005-1F, October 1992, Revised October 1993.
- G.M. Powell, G.D. Blackburn, K.L. Herbel. Petroleum Product Storage Worksheet. 29005-4W, October 1992, Revised October 1993. Improving Petroleum Product Storage. 29005-4F, October 1992, Revised October 1993.
- K.L. Herbel, G.M. Powell. Farm and House Waste Management Worksheet. 29005-5W, October 1992, Revised October 1993. Improving Farm and Home Waste Management. 29005-5F, October 1992, Revised October 1993.
- G.M. Powell, K.L. Herbel, J.M. Greene. Household Wastewater Treatment Worksheet. 29005-6W, October 1992, Revised October 1993. Improving Household Wastewater Treatment. 29005-6F. October 1992, Revised October 1993.
- G.M. Powell, M.H. Bradshaw. Hard Water, Quality Water - Program #1. No number, September 1993, Revised EP-25, December 1995.
- G.M. Powell, M.H. Bradshaw. Red Water (Iron), Quality Water - Program #2. No number, September 1993, Revised EP-26 December. 1995.
- G.M. Powell, M.H. Bradshaw. Coliform Bacteria, Quality Water - Program #3. No number, September 1993, Revised EP-27, December 1995.
- G.M. Powell, M.H. Bradshaw. Man-made Chemicals, Quality Water - Program #5. No number, September 1993, Revised EP-28, December 1995.
- G.M. Powell, M.H. Bradshaw. Sulfate-Sulfide, Quality Water - Program #6. No number, September 1993, Revised EP-29, December 1995.
- M.H. Bradshaw, G.M. Powell. Sodium in Drinking Water. MF-1094, January 1994.
- M.H. Bradshaw, G.M. Powell. Sodium in Public Water Supplies. MF-1114, June 1994, Minor revision to correct errors June 1995.

R.A. Flores, G.M. Powell, F.M. Aramouni. Water Supply for Food and Beverage Processing Operations. MF-1122, June 1994.

W.M. Eberle, D.A. Whitney, G.M. Powell. Sewage Sludge Use on Agricultural Land. MF-1168, September 1994.

____ KDHE. Well Water Fact Sheet. KDHE Bulletin edited by G.M. Powell and others, KSU, Extension Number MF-1165, September 1994.

G.M. Powell, Water Resources Focus Group. Kansas Water Resources. KSU, Extension major program, MF-2002, December 1994.

____ KDHE. *Kansas Environmental Almanac*. Submitted to the printers in December 1994. The new administration had a concern about the way some things were presented so withdrew publication without any explanation. (Powell served on planning committee, wrote two pages, provided other inputs and reviewed the drafts.) Many people are very disappointed because publication was stopped.

M.H. Bradshaw, G.M. Powell. Organic Chemicals in Drinking Water. MF-1142, January 1995.

G.M. Powell. Your Wastewater System Owner/Operator Manual. S-90, January 1996.

G.M. Powell. Get to Know Your Septic System. MF-2179, At editor since December 1995.

____ Kansas Department of Health and Environment. Minimum Design Standards for Onsite Wastewater Systems. KDHE, Bulletin 4-2 (Powell edited the Environmental Health Handbook from which this was adapted, contributed to drafts of this bulletin and reviewed drafts.) Final draft in internal review before submitting to the printer.

D. Devlin, G.M. Powell. Nonpoint Source Pollution. Delivered to the editor through December 1995, Delivered to printing in January 1996.

EXTENSION AUDIO/VIDEO AND DISPLAY MATERIALS

G.M. Powell. Portable Bulletin Display. Table top display for bulletins. September 1982.

G.M. Powell. Kansas Groundwater Quality. A 30-minute video tape. November 1986.

G.M. Powell and E.G. Peck. Is Your Drinking Water Safe? Table top water quality educational display. June 1987.

J. Lindquist, M. Wedel, G.M. Powell. Help Us Make a Clean Sweep of Solid Waste. Big Lakes Region and Riley County, Kansas, Slide-Tape Set. June 1988.

G.M. Powell. Safe Well Construction: Features and Components. A table top display model. June 1989.

G.M. Powell. A Correctly Plugged Well. A table top display model. June 1989.

G.M. Powell, E.B. Kling. WET - Water Education for Teachers. A 36-minute video tape. November 1989.

D.H. Rogers, K. Herbel, (G.M. Powell served as technical advisor). KSU Extension TV, Plugging Abandoned Wells in Kansas. 1993.

M.H. Bradshaw, G.M. Powell. Quality Water - Hard Water. Program #1 of a series of 6. Adopted from Iowa Extension Service. September 1993.

M.H. Bradshaw, G.M. Powell. Quality Water - Red Water. Program #2 of a series of 6. Adopted from Iowa Extension Service. September 1993.

M.H. Bradshaw, G.M. Powell. Quality Water - Coliform Bacteria. Program #3 of a series of 6. Adopted from Iowa Extension Service. September 1993.

M.H. Bradshaw, G.M. Powell. Quality Water - Nitrate. Program #4 of a series of 6. Adopted from Iowa Extension Service. September 1993.

M.H. Bradshaw, G.M. Powell. Quality Water - Man-Made Chemicals. Program #5 of a series of 6. Adopted from Iowa Extension Service. September 1993.

M.H. Bradshaw, G.M. Powell. Quality Water - Sulfate Sulfur. Program #6 of a series of 6. Adopted from Iowa Extension Service. September 1993.

KSU, CES, Television Production. Safe Water From Wells. (Powell served as technical director for this new video production.) Editing completed in February 1996.

*Already
a member
NC A
57*



NAME: E. Stanley Lee

TITLE: Professor, Department of Industrial and Manufacturing
Systems Engineering, Kansas State University,
Manhattan, Kansas 66506
e-mail: eslee@ksu.edu

DEGREES: Ph.D., Princeton University, Princeton, N.J., 1962.
M.S., North Carolina State University, Raleigh, 1957.
B.S., Chung Cheng Institute of Technology, Taiwan, ROC,
1953.

EXPERIENCE:

Honorary Professor, Yuan-Ze University, Taiwan, 1994-
present

Chaired Professor, Yuan-Ze Institute of Technology,
Taiwan ROC, 1993-1994 (on leave from KSU).

Honorary Professor, Chinese Academy of Sciences,
People's Republic of China, 1987-present.

Assistant, Associate and full Professor,
department of Industrial Engineering, Kansas State
University, 1966-present.

Visiting Professor, Mathematical Biosciences,
University of Southern California, Los Angeles, 1972-
1973 (on sabbatical leave from KSU to work with Dr.
Richard Bellman).

Professor, Departments of Chemical and Electrical
Engineering, University of Southern California, Los
Angeles 1973-1975 (on leave from KSU).

Chairman, Mathematical Bioscience, College of Engineer
ing, University of Southern California, Los Angeles,
1974-1975.

Consultant and Project Director, Dr. Richard Bellman
research group, University of Southern California, los
Angeles, 1975-1987.

Visiting Professor, Institute of Automatic Control, Lund
Institute of Technology, Lund, Sweden, Sept.-Dec. 1982.

Research Engineer, Phillips Petroleum Company, Bartles
ville, Oklahoma, 1960-1966.

EDITORIAL ACTIVITIES:

Editor, Associate Editor, or on the editorial board of
the following journals:

Journal of Mathematical Analysis and Applications,
Academic Press, Inc. 1970-present.

Computer and Mathematics with Applications, an
International Journal, Pergamon Press, Inc.,
1975-present.

Indian Journal of Management and Systems, 1984-present.

Journal of Engineering Chemistry and Metallurgy,
China, 1989-present.

The Journal of Fuzzy Systems Association, Taiwan, ROC,
1994-present.

Journal of Nonlinear Differential Equations: theory,

Methods, and Applications, 1993-present.
Journal of the Chinese Institute of Industrial
Engineers, 1998-now.
International Journal of Fuzzy Systems, 1999-now.

BIOGRAPHICAL LISTINGS:

"Who's Who in America" and other listings.

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi, Tau Beta Pi, Phi Kappa Phi, Alpha Pi Mu.
Operations Research Society of American.
International Fuzzy Systems Association.
International Neural Network Society.

FIELDS OF RESEARCH COMPETENCE:

Applied Mathematics
Operations Research and Systems Engineering
Dynamic Programming and Invariant Imbedding
Approximate Reasoning
Fuzzy Set Theory
Neuro-fuzzy systems

International Fuzzy Systems Association World Congress,
Taiwan, August, 1999.

RESEARCH GRANTS AND CONTRACTS:

1. Investigator, Office of the Director of Defense, Themis Grant on "Performance and Life Support in Altered Environment," 1967-1970.
2. Principle Investigator, Office of Water Resources Research, Title II grant on "Modeling and Optimization of Water Resources Systems," 1968-1975.
3. Principle Investigator, Office of Water Resources Research and Kansas Water Resources Research Institute joint grant on "Water Quality Modeling and Prediction," 1968-1969.
4. Investigator, NASA grant on "Optimization of Life Support systems and Their Systems Reliability," 1968-1969.
5. Principle Investigator, National Air Pollution Control Administration, Department of Health, Education and Welfare, grant on "Adaptive Modeling for Air Pollution Control," 1969-1971.
6. Principle Investigator, Kansas Water Resources Research Institute grant on "Analysis, Modeling and Forecasting of Stochastic Water Quality Systems," 1971-1972.
7. Principle Investigator, National Science Foundation grant on "Invariant Imbedding and Quasilinearization in the Modeling and analysis of Engineering Systems," 1971-1975.
8. Principle Investigator (with Dr. Richard Bellman), U.S. Army Research Office grant on "Decision Making, Fuzzy Set theory and Computers," 1973-1980.
9. Principle Investigator (with Dr. Richard Bellman), National Science Foundation grant on "Invariant Imbedding in Engineering, Physiology and Applied Science," 1974-1981.
10. Principle Investigator (with Dr. William Yeh of UCLA), National Science Foundation grant on "Invariant Imbedding and Nonlinear Boundary Value Problem in Ground Water Modeling," 1977-1985.
11. Principle Investigator (with Drs. F.L. Poston and S.M. Welch), United States Department of Agriculture grant on "Effects of Insect Damage and Soil Water Stress on Corn Physiology: A Quantitative Approach," 1978-1982.
12. Principle Investigator (with Drs. Biere and Kanemasu), "Water Use Efficiency and Improved Crop Productivity from Crop Response to Soil Moisture and Other Critical Factors," Agricultural Experiment Station, Kansas State University, 1981-1984.
13. Principle Investigator (with Drs. Biere and Kanemasu), Office of Kansas Water Resources Research Institute grant on "Water Conservation by Optimal Irrigation Scheduling Based on Corn Dynamic Growth Model," 1981-1985.
14. Principle Investigator, Air Force Logistics Command grant on "Multi-Echelon and Multi-Indenture Modeling with Limite Repair Capacity During War Time Emergencies," 1983-1990.
15. Principle Investigator, Advanced Manufacturing Institute grant on "Fuzzy Lattice in Process Planning," 1992-1995.
16. Principle Investigator, Fuzzy-neural control of cement

manufacturing in the Hua-Lien, Taiwan, Cement Production Plant, Far Eastern Industrial Group, Taiwan, 1994-Now.

POFESSIONAL PUBLICATIONS:

A. Books and Monographs

1. Lee, E.S., Quasilinearization and Invariant Imbedding with Applications to chemical Engineering and Adaptive Control, Academic Press, New York (1968).
2. Lee, E.S. and C.Y. Wen (eds.) Energy Conversion Engineering, by R.C. Bailie, Addison-Wesley (1978).
3. Lee, E.S. and C.Y. Wen (eds.) Coal Conversion Technology, Addison-Wesley (1980).
4. Lee, E.S. and C.Y. Wen (eds.) Coal Liquefaction, by Shah, Addison-Wesley (1981).
5. Lee, E.S., Fuzzy Set Theory and Expert Systems, Published by Chung-Cheng Institute of Technology, Taiwan, ROC (1991).
6. Lee, E.S. and Q. Zhu, Fuzzy and Evidence Reasoning, Springer-Verlag, New York and Physica-Verlag, Heidelberg (1996).
7. Lee, E.S. and P.T. Chang, Fuzzy Regression Analysis, to be published.
8. Lee, E.S. and Pei-Zhuang Wang, Fuzzy Sets, Factor Space and Set-Value Statistics: An Introduction with Applications, to be published.
9. Lee, E.S. and Hsu-Shih Shih, Fuzzy Multiple Level Optimization A Hierarchican Approach, to be published by Springer-Verlag, London.

B Journal Articles

1. "Optimization by Pontryagin's Maximum Principle on the Analog Computer," AICHE Journal, 10, pp309-315 (1964).
2. "Optimization by a Gradient Technique," I & EC Fundamentals, 3, pp373-380 (1964).
3. "Optimum Design and Operation of Chemical Processes," Industrial and Engineering Chemistry, 55, pp30-39, August (1963).
4. "Quasilinearization, Nonlinear Boundary-Value Problems, and Optimization," Chemical Engineering Science, 21, pp183-194 (1966).
5. "A Generalized Newton-Raphson Method for Nonlinear Partial Differential Equations - Packed-bed Reactors with Axial Mixing," Chemical Engineering Science, 21, pp143-157 (1966).
6. "Quasilinearization in Optimization - A Numerical Study," AICHE Journal, 13, pp1043-1051 (1967).
7. "Invariant Imbedding, Nonlinear Filtering and Parameter Estimation," I&EC Fundamentals, 7, pp164-171 (1968).
8. "Optimizing Complex Chemical Plants by Mathematical Modeling Techniques," (with E.H.Gray) Chemical Engineering, 74, No.18, pp131-138, August 28 (1967).
9. "Quasilinearization, Difference Approximation and Boundary Value Problems," AICHE Journal, 14, pp490-496 (1968).
10. "Quasilinearization and the Estimation of Parameters in Differential Equations," I & EC Fundamentals, 7, pp152-158 (1968).
11. "Quasilinearization and Invariant Imbedding in Optimization," AICHE Journal, 14, pp977-979 (1968).
12. "Invariant Imbedding - A Versatile Computational Concept," Industrial and Engineering Chemistry, 60, No.9, pp55-64 (1968).
13. "Optimization of Complex Chemical Plants by a Gradient Technique," AICHE Journal, 15, pp393-400 (1969).
14. "Iterative Techniques in Optimization I. Dynamic Programming and Quasilinearization," AICHE Journal, 14, pp908-916 (1968).

B Journal Articles (continued)

15. "Quasilinearization Techniques for Solution of Boundary Layer Equations," (with L. T. Fan) Canadian Journal Chemical Engineering, 46, pp200-204, June (1968).
16. "Simulation and Feasibility Study of a Thermal Confort Equation," (with L. T. Fan, C.L. Hwang and M.A.Shaikh) ASHRAE Journal, pp54-58, August (1968).
17. "On-line Blending for Production Profit," (with F. A. Tillman) Control Engineering, 111, October (1968).
18. "Gradient Technique and Langrange Multiplier - A Technique for Optimizing Complex Processes," Canadian Journal Chemical Engineering, 47, pp431-438 (1969).
19. "Iterative Techniques in Optimization II. The Linearity Difficulty in Dynamic Programming and Quasilinearization," (with C. McDermott, L. E. Erickson and L. T. Fan) AIChE Journal, 16, pp639-644 (1970).
20. "Optimization of Production Planning by the Generalized Newton-Raphson Method," (with P. D. Shah) AIIE Transactions, 2, pp1-10, March (1970).
21. "Dynamic Programming, Quasilinearization, and the Dimensionality Difficulty," J Math Analysis Applications, 27, No.2, pp303-322 (1969).
22. "Invariant Imbedding, Iterative Linearization, and Multi-stage Countercurrent Processes," AIChE Journal, 16, pp679-686 (1970)
23. "Modeling Feedlot Runoff Pollution II. Quasilinearization," (with S. F. Kang, L. T. Fan and L. E. Erickson) Transactions American Society of Agricultural Engineers, 13, pp864-869 (1970).
24. "Modeling Feedlot Runoff Polution I. Analog Simulation," (with S. F. Kang, L. T. Fan and L. E. Erickson) Transactions American Society of Agricultural Engineers, 13, pp859-864 (1970).
25. "Model Identification of Biochemical Oxidation Process," (with M. Naito, T. Takamatsu and L. T. Fan) Biotechnology and Bioengineering, XI, pp731-743 (1969).

B Journal Articles (continued)

26. "A Nonlinear Model of a Water Reservoir System with Multiple Uses and its Optimization by the Combined use of Dynamic Programming and Pattern Search Techniques," (with L. E. Erickson, L. T. Fan, and D. L. Meyer) Water Resources Bulletin, 5, No.3, pp18-36 (1969)
27. "Optimal Production Planning by a Gradient Technique I. First Variations," (with M. A. Shaikh) Management Science, 16, pp109-117 (1969).
28. "Invariant Imbedding, Iterative Linearization, and Multistage Countercurrent Processes III. Estimation and the Over Determined System," (with J. C. Noh) AIChE Journal, 17, pp1277-1283 (1971).
29. "Applying Quasilinearization to the Nonlinear Analysis of Elastic Bars," (with C. L. Huang and I. Hwang) Int J Engineering Science, 10, pp33-44 (1972).
30. "Invariant Imbedding, Iterative Linearization and Multistage Countercurrent Processes II. Multi-component Distillation and Quasilinearization," (with J. C. Noh) AIChE Journal, 17, pp886-891 (1971).
31. "Applying Gradient Projection and Conjugate Gradient to the Optimum Operation of Reservoirs," (with S. Waziruddin) Water Resources Bulletin, 6, pp713-724 (1970).
32. "Air Pollution Modeling by Parameter Estimation," Proceedings Second Int. Clean Air Congress, pp1116-1120, Academic Press, Inc., New York (1972)
33. "Stream Quality Modeling by Quasilinearization," (with I. K. Hwang) Journal Water Pollution Control Federation, 43, pp306-317 (1971).
34. "Dynamic Modeling of Steam Quality by Invariant Imbedding," (with I. K. Hwang) Water Resources Bulletin, 7, No.1, pp102-114 (1971).
35. "Invariant Imbedding, Nonlinear Estimation and the Adaptive Forecasting of Stream Pollution," (with P. K. Misra) Symposium on Statistical Aspects of Pollution Problems, International Association for Statistics in Physical Sciences, Harvard Business School, August 30-September 3 (1971).

B Journal Articles (continued)

36. "Gradient Technique and the Maximum Principle," AIChE

Journal, 17, pp1515 (1971).

37. "Stream Quality Modeling by Optimal Filtering and Estimation," (with P. K. Misra) Proceedings 7th Am Water Resources Conference, Washington, D.C., October(1971).
38. "Time Series Analysis of Air Pollution Data," (with S. C. Sarin) Proceedings 19th Annual Meeting Inst. Environmental Sciences, Anaheim, Calif., April 2-5(1973).
39. "Quasilinearization, Parameter Estimation, and Distillation Column Design," Chemical Engineering Communications, 1, 2pp249-259 (1974).
40. "Estimation of Minimum Reflux in Distillation Column and Multi-point Boundary Value Problems," Chemical Engineering Science, 29, pp871-875 (1974).
41. "Optimal Weighting Function in Water Quality Modeling," (with P. K. Misra) Water Resources Bulletin, 10, pp447-469 (1974).
42. "Solving Hard Problems by Easy Methods: Differential and Integral Quadrature," (with R. Bellman, B. Kashef and R. Vasudevan) Computers Math with Applications, 1, pp133-143 (1975).
43. "Mathematics in Energy," (with R. Bellman) Bulletin of the Institute of Mathematics, Academia Sinica, 2, No.2, pp281-288 (1974).
44. "Modeling and Optimization in Energy Systems I. Coal Gasification Modeling," (with R. Bellman) Houston Journal of Mathematics, 2, No.3, pp329-344 (1976).
45. "Optimal Weighting Function for the Invariant Imbedding Estimator," (with P. K. Misra) Computers Math with Applications, 1, pp79-88 (1975).
46. "Episode Control of Air Pollution," (with F. A. Tillman) J. Environmental Science, pp21-26, Sept/Oct(1975).
47. "Nonlinear Boundary Value Problems and Multi-component Distillation," (with P. Lee) Computers Math with Applications, 2, pp85-93 (1976).

B Journal Articles (continued)

48. "Invariant Imbedding, Iterative Linearization and Multistage Countercurrent Processes IV. A New Approach to Distillation Column Design," (with P. Lee) J Math Analysis Applications, 54, pp563-578 (1976).
 49. "Invariant Imbedding, Iterative Linearization and Multistage Countercurrent Processes V. Temperature as an Unknown 8Variable in Distillation Calculations," J Math Analysis Applications, 54, pp579-590 (1976).
 50. "Invariant Imbedding, Iterative Linearization and Multistage Countercurrent Processes VI. Complex Distillation Column and Multi-point Boundary Value Problem," J Math Analysis Applications, 54, pp591-601 (1976).
 51. "Invariant Imbedding, Iterative Linearization and Multistage Countercurrent Processes VII. Distillation Column at Minimum Reflux and Nonlinear Boundary Value Problems," J Math Analysis Applications, 54, pp602-615 (1976).
 52. "Invariant Imbedding, Method of Characteristics, and Parameter Estimation," (with R. Vasudevan and K. M. Wang) Computers Math Applications, 2, pp95-98 (1976).
 53. "Differential Quadrature and Splines," (with Bellman, Kashef and Vasudevan) Comput Math with Appls, 1, pp371-376 (1975).
 54. "The Upper and Lower Conversion Bounds for Reversible Reactions in Continuous Flow Reactors," (with R. Babayan) Proce.3rd Iranian Congress, Chem Engg, Shiraz, Iran, Nov. (1977).
 55. "Invariant Imbedding and Solid-Fluid Reactions I. The Unreacted Core Model," (with R. Bellman and K. M. Wang) Chemical Engineering Science, 32, pp1051-1054 (1977).
 56. "Functional Equations in Dynamic Programming," (with R. Bellman) Aequationes Mathematicae, 17, pp1-18 (1978).
 57. "Water Resources Modeling and Optimization Based on Conservation Pool and Flooding Pool," (with G. Naadimuthu) Water Resources Bulletin, 14, pp404-408 (1978).
 58. "Nonlinear Estimation in Stream Quality Modeling," (with P. K. Misra) in Applications of Kalman Filter to Hydralogy, Hydraulics, and Water Resources, pp509-580, C. L. Chiu (ed.), Published by University of Pittsburgh (1978).
- B Journal Articles (continued)
59. "Invariant Imbedding and Parameter Estimation in Ground Water

Modeling," p.10, Proceeding Second Int. Conf. Math. Modeling, St. Louis, Mo, July, 11-13 (1979).

60. "Stochastic Maximum Principle in the Optimal Control of Water Resources systems," (with G. Naadimuthu) J Math Analysis Applications, 66, pp451-469 (1978).
61. "Economic Irrigation Scheduling: The Case of Zea Mays L.," (with A. W. Biere, E. T. Kanemasu and Raju) Proceedings American Institute of Agriculture, Spring (1982).
62. "Energy Conservation in Irrigation Crop Production," (with A. W. Biere, E. T. Kanemasu and K. S. Raju) Proceedings American Society of Agronomy, December (1980).
63. "Invariant Imbedding, Nonlinear Boundary Value Problems and Optimization," Chemical Metallurgy, 1, pp195-262 (1980).
64. "Irrigation Scheduling Based on a Dynamic Crop Response Model," (with K.S.Raju, A.W.Biere, E.T.Kanemasu) Advances in Irrigation, 2, pp257-271, Academic Press, New York (1983).
65. "Parametric Estimation of Cylindrical Cooling Fins by Invariant Imbedding," (with C. L. Huang and M. N. Netrakanti) Proceedings Fourth Int. Conf. Math. Modeling, Zurich, Switzerland, August (1983).
66. "Stochastic Modeling and Optimization of Water Resources Systems," (with G. Naadimuthu) Mathematical Modeling, 3, pp117-136 (1982).
67. "Differential Quadrature and Partial Differential Equations: Some Numerical Results," (with Naadimuthu, Bellman and Wang) J Math Analysis Applications, 98, pp220-235 (1984).
68. "Application of Invariant Imbedding to the Estimation of Process Duration," (with K. M. Wang and G. Naadimuthu) J Math Analysis Applications, 98, pp236-242 (1984).
69. "Piecewise Suboptimal Control of Differential Games." (with T. Natarajan, D. A. Pierre and G. Naadimuthu) J Math Analysis Applications, 104, pp189-211 (1984).

B Journal Articles (continued)

70. "Invariant Imbedding in Engineering Design," (with M.Y.Jung) J Math Analysis Appls., 119, Nos.1/2, pp153-163 (1986).
71. "History and Development of Dynamic Programming," (with R. Bellman) Control Systems Magazine, pp24-28, November (1984).
72. "Ranking Fuzzy Numbers - A Comparison," (with R. J. Li), Proce. of NAFIPS meting, West Lafayette, Indiana, May(1987).
73. "Effective Program Planning for Multiple Projects Under Limited Resources," (with D. C. Brauer and G. Naadimuthu) Math Modeling, 9, pp547-552 (1987).
74. "Fuzzy Set Theory in Project Scheduling," (with R. Bellman) Proceedings IXth Int. Conf. on Production Research, Cincinnati, Ohio, August, 17-20 (1987).
75. "Invariant Imbedding in Fuzzy Computations," Proceedings 2nd Bellman Continuum Workshop, Atlanta, Ga. June (1986).
76. "Invariant Imbedding in Biomathematics," Int. Symposium on Nonlinear Analysis and Applications to Biomathematics, India, August 24-28 (1987).
77. "Quasilinearization," A Collection of the Works of Richard E. Bellman, pp503-505, Robert S. Roth (ed.), World Scientific Publishers, Singapore (1986).
78. "Advantageous Strategies in Differential Games for a Class of Suboptimal Control Laws," (with T. Natarajan, E. Naadimuthu and D. A. Pierre) J Math Analysis Applications, 128, pp156-175 (1987).
79. "A Multiattribute Aggregate Planing Problem with Fuzzy Cost Information," (with C. S. McCahon) Proceedings IXth Int. Conf. on Production Research, pp2739-2745, Cincinnati, Ohio, August, 17-20 (1987).
80. "Solving Optimization Problems by Stochastic Approximation," (with H. Sugiyama) Proceedings Third Bellman Continuum Workshop, Sophia-Antipolis, France, June (1988).

B Journal Articles (continued)

81. "Numerical Optimization of Queueing Systems by Dynamic Programming," (with Jung) J Math Analysis Appls, 141, pp84-943 (1989).
82. "Comparison of Fuzzy Numbers Based on the Probability Measure of Fuzzy Events," (with R. J. Li) Computers Math with Applications, 15, No.10, pp887-896 (1988).
83. "Solving Deterministic Problems by Stochastic Approximation," (with Sugiyama) J Math Analysis Appls, 138, No.2, pp569-580 (1989).
84. "Invariant Imbedding: A Natural Approach to Approximation," Proce. Int.Sympsium Approximation Optimization Compt., Univ. Of Regina, Canada, August 6-11, (1988).
85. "Modeling and Analysis of Fuzzy Queues," (with D. S. Negi) Proceedings of Congress of Int. Fuzzy Systems Assoc., pp771-774, University of Washington, Seattle, August 6- 11 (1989).
86. "Project Network Analysis with Fuzzy Activity Times.," (with C. S. McCahon) Computers Math with Applications, 15, No.10, pp829-838 (1988).
87. "Stochastic Approximation -- A Powerful Method for Solving Deterministic Numerical Problems," (with H. Sugiyama) Comput Math6 with Appls, 15, No.11, pp963-967 (1988).
88. "Multi-Objective Decision Making Using Possibility Theory," (with D. S. Negi) Proceedings of the Congress of Int. Fuzzy Systems Association, pp125-128, University of Washington, Seattle, August, 6-11 (1989).
89. "A Multi-Echelon and Multi-Indenture Repairable Item Queueing Model During Emergencies," (with M. Y. Jung) Mathematical Computing Modeling, 12, No.7, pp851-864 (1989).
90. "Fuzzy Multi-Objective Programming," (with R. J. Li) Proceedings of NAFIPS'90, pp208-211, University of Toronto, Canada, June 6-8 (1990).
91. "The Research Contributions of Richard Bellman," (with Adomian) Comp6ut. Math Appls., 12A, No.6, pp633-635 (1986).
92. "Introduction to the Special Issue Dedicated to Richard Bellman," (with G. Adomian) J Math Analysis Applications, 119, Nos.1/2, pp1-3 (1986).

B Journal Articles (continued)

93. "Fuzzy Multiple Attribute Decision Making," (with D.S.Negi) Proceedings of NAFIPS'90, University of Toronto, Canada, June 6-8 (1990).
94. "Dynamic Irrigation Scheduling with Stochastic Rainfall," (with K. S. Raju and A. W. Biere) Agricultural Water Management, 19, pp253-270 (1991).
95. "Invariant Imbedding and Complicated Nonlinear Boundary Value Problems," (with K. M. Wang) J Math Analysis Applications, 141, No.1, pp208-218 (1989).
96. "Dynamic Modeling of Sorghum Yield Response to Water and Optimal Irrigation Scheduling," (with K. S. Raju and A. W. Biere) Proceedings 8th Int. Conf. on Math and Computing Modeling, College Park, Maryland, April 1-4 (1991).
97. "Possibility Theory, Factor Space and Uncertainty Reasoning in Manufacturing," Proceedings IFAC Workshop on Discrete Event System Theory, p316, China, June 25-27 (1991).
98. "Nonlinear Membership Function in Two-Phase Multicriteria Programming," Proceedings NAFIPS'91, pp383-387, University of Missouri, Columbia, May 14-17 (1991).
99. "Multi-Criteria de novo Programming with Fuzzy Parameters," (with R. J. Li) Computers Math with Applications, 19, No.5, pp13-20 (1990).
100. "Quasilinearization in Biological Systems Modeling," (with K. M. Wang) in Modeling and Control of Systems, pp413-421, A.Blaquiere (ed.), Springer-Verlag (1988).
101. "Analysis of Fuzzy Queues," (with R. J. Li) Computers Math with Applications, 17, No.7, pp1143-1147 (1989).
102. "Stochastic Modeling and Optimization of Water Resources Systems II. The Poteau River Basin." Math Computer Modeling, 10, No.11, pp829-838 (1988).
103. "Comparing Fuzzy Numbers: The Proportion of the Optimum Method," (with C. S. McCahon) Int J Approximate Reasoning, 4, pp159-181 (1990).
104. "Job Sequencing with Fuzzy Processing Times," (with C. S. McCahon) Computers Math with Applications, 19, No.7, pp31-41 (1990).

105. "Truth Value Flow Inference on Factor Spaces and Approximate Reasoning Based on Similarity Measures," (with X. H. Zhang, H. C. Lui and S. K. Tan) Proceedings the Fifth IFSA World Congress, Seoul, Korea. July 4-9 (1993).
106. "Fuzzy Linear Regression with Conflicting Trends," Proceedings First Asian Fuzzy Systems Symposium, Singapore, November 23-26 (1993).
107. "Fuzzy Job Sequencing for a Flow Shop," (with C. S. McChahon) European J. Operations Research, 62, pp294-301 (1992).
108. "Iterative Computation in Dynamic Optimization," in Approximation, Optimization and Computing: Theory and Applications, pp 23-33, A. G. Law and C. L. Wang, (Eds.), Elsevier (1990).
109. "Optimal Estimation in Stream Quality Modeling," (with Misra) Computers Math with Applications, 19, No. 11, pp81-96 (1990).
110. "Analysis and simulation of Fuzzy Queues," (with D. S. Negi), Fuzzy Sets and Systems, 46, pp321-330 (1992).
111. "Fuzzy Approach to Multicriteria de novo Programs," (with R. J. Li) J. Math. Analysis Applications, 153, No. 1, pp97-111 (1990).
112. "A Combinatoric Formula," (with P. Z. Wang and S. K. Tan) J. Math Analysis Applications, 160, No. 2, pp500-503 (1991).
113. "Lattice Linear Programming and Fuzzy Relation Inequalities," (with P. Z. Wang and E. Sanchez) J. Math Analysis Applications, 159, No. 1, pp72-87 (1991).
114. "Air Pollution Modeling by Quasilinearization," (with G. Naadimuthu and K. M. Wang), Computers Math with applications, 21, No. 11/12, pp153-164 (1991).
115. "Invariant Imbedding Filter in the Modeling of Water Resources," (with G. Naadimuthu) Computers Math. with Applications, 21, No. 11/12, pp9-22 (1991).
116. "An Exponential Membership Function for Fuzzy Multiple Objective Linear Programming," (with R. J. Li) Computer Math with Applications, 22, No. 12, pp55-60 (1991).

B Journal Articles (continued)

117. "Fuzzy Multiple Objective Programming and Compromise Programming with Pareto Optimum,"(with R. J. Li) Fuzzy Sets and Systems, 53, pp275-288 (1993).
118. "De novo Programming with Fuzzy Coefficients and Multiple Fuzzy Goals,"(with R. J. LI), J.Math Analysis Applications, 172, No. 1, pp212-220 (1993).
119. "Comparison and Ranking of Fuzzy Numbers,"(with Qing Zhu), in Fuzzy Regression Analysis, pp21-44, J.Kacprzyk and M.Fedrizzi (eds.), Omnitech Press, Warsaw, Poland and Physica-Verlage, Heidelberg (1992).
120. "Time Series Analysis in Water Quality Modeling,"(with G. Naadimuthu and N. K. Bhargara), Math.Modeling Scientific Computing, 2, pp120-125 (1993).
121. "Factor Space and Its Algebraic Representtation Theory," (with Xue-Hai Yuan and P. Z. Wang) J.Math Analysis Applications, 171, No.1, pp256-276 (1992).
122. "Optimization of Water Resources by the Gradient Projection Method,"(with G. Naadimuthu and S. Waziruddin), Math Modeling Scientific Computing, 2, pp392-397 (1993).
123. "Evidence Theory in Multivalued Logic Systems,"(with Qing Zhu), Int.J.Intelligent Systems, 10, pp185-199 (1995).
124. "Dempster-Shafer Approach in Propositional Logic," (with Q. Zhu)Int.J.Intelligent Systems, 8, pp341-349 (1993).
125. "An Interval Dempster-Shafer Approach,"(with Qing Zhu), Computers Math with Applications, 24, No.7, pp89-95 (1992).
126. "On the Convergence of Fuzzy Sets and the Completeness of the Space of Fuzzy Sets,"(with D. Z. Zhang, H. Ouyang and A. A. Yager), J.math analysis Appllications, 172, No.1, pp274-288 (1993).
127. "On Fuzzy Random Sets and Their Mathematical Expectations,"(with D. Z. Zhang, H. Ouyang and R. R. Yager) Information Sciences, 72, pp123-142 (1993).
128. "Semantically Dependent Fuzzy Set Operations and Inference Relations,"(with S. K. Tan), Proceedings 11th European Meeting Cybernetics and Systems Research (EMCSR-92), Vienna, World Scientific Publishing Co., Singapore (1992).

B Journal Articles (continued)

129. "Categories Fuz and Fuzzy Semantics," (with Xue-Hai Yuan), Proceedings Large Scale Systems, IFAC, Beijing, China, Aug., 23-25 (1992).
130. "Fuzzy Set Operations Based on the Theory of Falling Shadow," (with S. K. Tan and P. Z. Wang), J. Math Analysis Applications, 174, pp242-255 (1993).
131. "Categorical Analysis of Logic Operators on Fuzzy Sets," (with Xue-Hai Yuan), J. Math Analysis Applications, 177, pp600-607 (1993).
132. "Fuzzy Decision Making: A Survey," (with P. T. Chang) Between Mind and Comuter: Fuzzy Science and Engineering, pp 139-182, P.Z.Wang and K.F.Loe (eds), World Scientific Publishing Co., Singapore (1993).
133. "Possibility Programming by the Comparison of Fuzzy Numbers," (with D. S. Negi) Computers Math with Applications, 25, No.9, pp43-50 (1993).
134. "Evidence Theory and Uncertainty Reasoning in Multivalue Logic," (with Qing Zhu), Proceedings Large Scale Systems, IFAC, Beijing, China, Aug, 23-25 (1992).
135. "The Operations of Fuzzy Cardinalities," (with H. Z. Li, P. Z. Wang, and V. C. Yen), J. Math Analysis Applications, 182, No.3, pp768-778 (1994).
136. "Generation of Mechanical Assembly Sequences with Fuzzy Weights," (with Ben-Arieh and Chang) Proceedings 1st Ind. Eng. Research Conf., pp97-101, Chicago, May 20-21 (1992).
137. "Ranking Fuzzy Sets Based on the Concept of Existence," (with P. T. Chang) Computers Math. with Applications, 27, No.9/10, pp1-21 (1994).
138. "Factor Rattans, Category $FR(Y)$ and Factor Space," (with Xue-Hai Yuan), J Math Analysis Applications, 186, No.1 pp254-264 (1994).
139. "Research and Application of Fuzzy Set theory in Manufacturing Processes," (with D. L. Mon and Y. C. Lin) Journal of CCIT, 21, No.2 pp153-160 (1993).

B Journal Articles (continued)

140. "Fuzzy Linear Regression with Spread Unconstrained in Sign", (with P. T. Chang) Computers Math with Applications, 28, No.4, pp61-70 (1994).
141. "On Fuzzy de novo Programming," in Fuzzy Optimization, Recent Advances, pp 33-44, M. Delgado, J. Kacprzyk, J- L. Verdegay and M. A. Vila (eds.) Omnitech Press, Warsaw and Physica Verlag, Heidelberg (1994).
142. "Fuzzy Arithmetics and Comparison of fuzzy Numbers," (with P. T. Chang) in Fuzzy Optimization, Recent advances, pp 69-82, M. Delgado, J. Kacprzyk, J-L. Verdegay and M. A. Vila (eds.), Omnitech Press, Warsaw and Physica Verlag, Heidelberg (1994).
143. "Fuzzy Least Absolute Deviations Regression and the Conflicting Trends in Fuzzy Parameters," (with P. T. Chang), Computers Math with Applications, 28, No.5, pp89-101 (1994).
144. "Relation and Topology--Neighbor Element Struture and Convergence in Relations," (with Xue-Jun Liang) J Math Analysis Applications, 186, No.2, pp414-441 (1994).
145. "Fuzzy Decision Networks and Deconvolution," (with P. T.Chang), Computers Math with Applications, 37, Nos.11/12, pp53-63 (1999)
146. "Applying Fuzzy Linear Regression to VDT Legibility," (with S. A. Konz and P. T. Chang) Fuzzy Sets and Systems, 80, pp197-204 (1996).
147. "Fuzzy Logic controller for Parts Routing," (with Ben-Arieh), in Design and Implementation of Intelligent Manufacturing Systems, pp81-106, H.R.Parsaei and M.Jamshidi (eds.), Prentice-Hall PTR, Upper Saddle River, NJ(1995).
148. "Dynamic Programming: Recent Advances," ACCUMU, (in Japanese) Kyoto School of Computer Science, Kyoto, Japan, Volume 6, April (1994).
149. "On Random α -cuts," (with Qing-De Li) J Math Analysis Applications, 190, pp546-558 (1995).
150. "Optimal Design Models," International Encyclopedia of Business and Management, Routledge Limited, London(1996).

B Journal Articles (continued)

151. "On the solution of Boundary Value Problems -- The Decomposition Method," Proceedings the Fourth International Colloquim on differential Equations, pp 163-166, VSP -- International Science Publishers, The Netherlands, Plovdiv, Bulgaria, Aug.18-22 (1993).
152. "Fuzzy Spatial Statistics," Selected Papers of Engineering Chemistry and Metallurgy 1994, Institute of Chemical Metallurgy, Chinese Academy of Sciences, Beijing, China, pp 151-157 (1995).
153. "Optimality and Decision Making -- A Historical Perspective," in Selected Topics in Mathematical Physics, a memorial volume to Prof. R. Vasudevan, pp 87-93, R. Sridhar, K. Srinivasa Rao and V. Lakshminarayanan (eds.), Allied Publishers LTD., 751 Anna Salai, Madras 600002 India (1995).
154. "Fuzzy Least Absolute Deviations Regression Based on the Ranking of Fuzzy Numbers," Peoceedings IEEE World Congress on computational Intelligence, Orlando, Florida, June 26-July 2, (1994).
155. "The Estimation of Normalized Fuzzy Weights," (with P. T. Chang) Computers Math with Applications, 29, No.5, pp21-42 (1995).
156. "A Generalized Fuzzy Weighted Least Squares Regression," (with P.T.Chang) Fuzzy Sets and Systems, 82, No.3, pp289-298 (1996).
157. "Category FUZ, Wtopos, and Category FUZFUZ," (with Xue-Hai Yuan), J Math Analysis and Applications, 201, pp 489-501 (1996).
158. "Fuzzy Part Coding for Group Technology," (with D. Ben-Arieh and P. T. Chang) European Journal of Operations Research, 92, pp 637-648 (1996).
159. "Fuzzy Representation and Linguistic Computing," J Fuzzy Systems Association, Taiwan, China, 2, No.1, pp 15-22 (1996).
160. "Fuzzy Approach to Multi-Level Programming Problems," (with H. S. Shih and Y. J. Lai) Computers and Operations Research, 23, No. 1, pp 73-91 (1996).

B Journal Articles (continued)

161. "Convexification of Nonconvex Functions and Application to

- Minimum and Maximum Principles for Nonconvex Sets," (with C. X. Wu, L. X. Cheng, M. H. Ha) Computers Math with Appls., 31, No.7, pp 27-36 (1996).
162. "Hypertopologies on an Open set Noose Space," (with G. Y. Liu) J Math Analysis Applications, 198, pp 853-855(1996).
 163. "R-Fuzzy Sets," (with Q. D. Li and P. Z. Wang), Computers Math with Applications, 31, No.2, pp 49-61 (1996).
 164. "Manufacturing Processes in a Fuzzy Environment," Proceedings, International Conference on Information and Knowledge Engineering, Dalian, china, August, 21-25 (1995).
 165. "Approximate Solution, Existence and Uniqueness of the Cauchy Problem of Fuzzy Differential Equations," (with Cong-Xin Wuand Shiji Song), J Math Analysis and applications, 202, pp 629-644 (1996).
 166. "Fuzzy Weighted Average: A Max-Min Paired Elimination Method," (with Y.Y.Guh, C.C.Hon and K.M.Wang), Computers and Mathematics with Applications, 32, No. 8, pp115-123 (1996).
 167. "On the Aspland Property of Locally Convex Spaces," (with C.X.Wu), J Math Analysis Appls., 204, pp432-443 (1996).
 - 168 "Fuzzy Multiple Attributes and Multiple Hierarchical decision Making." (With Y.Y.Guh, C.C.Hon and K.M.Wang), Computers and Mathematics with Applications, 32, No. 12, pp109-119 (1996).
 169. "Fuzzy Weighted Average: the Linear Programming Approach via Charnes and Cooper's Rule," (with C.C. Han and Y.Y. Guu) to appear in Fuzzy Sets and Systems.
 170. ☒ Neuro-Fuzzy Ranking for New Product Development,☒ (with Chi-Hsing Hsu and B. C. Jiang) Proceedings of the Eighth International Fuzzy Systems Association World Congress, Vol. 1, pp166-170, Taiwan, August (1999).
 171. ☒ Neuro-Fuzzy Modeling in Quality Cost Control,☒ (with Bao-Guang Chang) Proceedings of the Eighth International Fuzzy Systems Association World Congress, Vol. 1, pp53-56, Taiwan, August (1999).

B. Journal Articles (continue)

172. "Fuzzy Mult-level Minimum cost Flow Problems," (with Shih-Hsu Shih) Fuzzy Sets and Systems, 107, pp159-176 (1999).

173. "Hierarchies Consistency Analysis for Non-transitive Problems," (with Y.Y.Guh and K.M.Wang), Computers and Mathematics with Applications, 32, No.9, pp67-77 (1996).
174. "A Fuzzy Algebraic System Based on the Theory of Falling Shadows," (with Xue-Hai Yuan), J Mathematical Analysis and Applications, 208, pp243-251 (1997).
175. "Generic Frechet Differentiability of Convex Functions on Non-Asplund Spaces," (with Cheng Lixin and Shi Shuzhong), J. Math Analysis & Applica., 214, pp367-377 (1997).
176. "Compensatory Fuzzy Multiple level Decision Making," (with Shih-Hsu Shih), to appear in Fuzzy Sets and Systems.
177. ■ Neuro-Fuzzy in the Valuation of Stock Price Based on Fundamental Analysis, ■ (with Clay C.J.Fu) Proceedings of the Eighth International Fuzzy Systems Association World Congress, Vol. 1, pp57-60, Taiwan, August (1999).
178. ■ An Expert System Based on Fuzzy Logic for Wiring-Bonding Breakdown Diagnosis in Integrated Circuit Manufacturing, ■ (with Ling-Long Tang and chun-Meng Liu) Proceedings of the Eighth International Fuzzy Systems Association World Congress, Vol. 1, pp175-178, Taiwan, August (1999).
179. "Models of Neurons Based on Factor Spaces," (with Hongxing Li and Vincent C. Yen), to appear in Computers and Mathematics with Applications.
180. "A heuristic for Scheduling a General Job Shop to Minimize Maximum Lateness," (with Ling-Huey Su & Pei-Chann Chang), Math. & Computer Modelling, 27, No.1, pp1-15 (1998)
181. "Generic Frechet Differentiability of Convex Functions Dominated by a Lower Semi-continuous convex function," (with Cheng Lixin, Shi Shuzhong and Wan Bingwu), J. Math. Analysis & Applica., 225, pp389-400 (1998).

B Journal Articles (continued)

182. "Nonparametric Fuzzy Regression - K-NN and Kernel Smoothing Techniques," (with Chi-Bin Cheng) Computers & Mathematics with Applica., 38, pp239-251 (1999).
183. "Switching Regression Analysis by Fuzzy Adaptive Network," (with C.B. Cheng), to appear in European J. Of Operational

Research.

184. "Fuzzy Regression with Radial Basis Function Network," (with Chi-Bin Cheng), to appear in Fuzzy Sets and Systems.
185. "Applying Fuzzy Adaptive Network to Fuzzy Regression Analysis," (with C.B.Cheng) Computers & Mathematics With Applics, 38, pp123-140 (1999).
186. "Response Surface Based on Fuzzy Adaptive Network," (with Chi-Bin Cheng) International Journal of Fuzzy Systems, 1, pp14-24 (1999).
187. "Factor Spaces Theory in Fuzzy Information Processing: Composition of States of Factors and Multi-factorial Decision Making," (with Hongxing Li and Vincent C. Yen), Computers & Mathematics with Applications, 39, pp245-265 (2000).
188. ■ An Interactive Approach for Fuzzy Multi-Level Programming, ■ (with Hsu-Shih Shih) Proceedings of the Eighth International Fuzzy Systems Association World Congress, Vol. 1, pp179-183, Taiwan, August (1999).
189. ■ Neuro-Fuzzy Network in Non-parametric Regression ■ An Example in Welding Quality Control, ■ (with Chi-Bin Cheng) Proceedings of the Eighth International Fuzzy Systems Association World Congress, Vol. 1, pp61-64, Taiwan, August (1999).
190. "A Heuristic Dynamic Optimization Algorithm for Irrigation Scheduling," (with Naadimuthu) Math.Computer Modelling, 30, pp169-183 (1999).
191. ■ Fuzzy Neural Network modeling for product development, ■ (with Chi-Hsing Hsu and B.C. Jiang) Mathematical & Computer Modeling, 30, pp169-183 (1999).

B Journal Articles (continued)

192. ■ On the Extension Principles and Fuzzy Set Categories, ■ (with Qing He, Hong-Xing Li, C.L. Philips Chen) Computer & Mathematics with Applications, 39, pp45-53 (2000)
193. ■ Factor Space Theory and Fuzzy Information Processing: Fuzzy Decision Making Based on the Concept of Feedback Extension, ■ (with Hong Xing Li, C.L.Philip Chen) to appear in Computer & Mathematics with Applications

194. ■ Factor Space Theory and Its Application to Fuzzy Information Processing ■ Two Kinds of Factor Space Canes ■ (with Hong Xing Li, C.L. Ohilip Chen, Vincent C. Yen) to appear in Computer & Mathematics with Applications
195. ■ A Neuro-Fuzzy Approach to Cellular Manufacturing, ■ (with Pingfeng Frank Pai) Proceedings of the Eighth International Fuzzy Systems Association World Congress, Vol. 1, pp184-188, Taiwan, August (1999).
196. ■ A Multi-Solution Method for Cell Formation ■ Exploring Practical Alternative in Group Technology Manufacturing, ■ (with P.T.Chang) To appear in Computers & Mathematics with Applications.
197. ■ A Fuzzy Possibilistic Approach to Multi-Level Optimization, ■ (with H-S Shih) Proceedings Industrial Engineering Conference, C8, Phoenix, Arizona, May 23-24 (1999).
198. ■ Fuzzy Multiple Level Programming, ■ to appear in Applied Mathematics and Computation
199. ■ Fuzzy Dynamic Multiple Level Decision Making, ■ (with Yu-Ru Syau) Proceedings of the NAFIPS'99, New York, June (1999).
200. ■ Discrete Multi-level Programming in a Dynamic Environment, ■ in Recent Developments in Fuzzy Optimization, S. Sugochiu, ed. Springer-Verlag, to appear.
201. ■ Neural Fuzzy in Group Technology, ■ to appear in J. Math. Analysis Applications.

OK 2/23
Eligibility
12/5 Gamma
SPC 1000

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name MING XIAO

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes X No
b. Completed at least one half of their research? Yes X No

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
SHANDONG UNIV. OF TECH TECHNOLOGY	B.S	CIVIL ENGG	07/95
ZHEJIANG UNIVERSITY	M.S	CIVIL ENGG	12/97

4. Does the above named student rank in the top 1/5 of his/her class? Yes X No

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature Lanshi N. Deed

Date ~~12/02/00~~ 02/19/00



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

ADDENDUM

**ELIGIBILITY ACKNOWLEDGEMENT OF CANDIDATES FOR ELECTION --
THIS IS NOT YOUR OFFICIAL APPROVAL TO HOLD YOUR INITIATION.**

To the President of the

Kansas Gamma Chapter

Date April 18, 2000

**
Your Report of Eligibility has been received, thank you.

____ Your undergraduate student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 2.

**
____ Your graduate-student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 3, as follows: Ming Xiao

**
____ Your alumnus candidate(s) are judged to be eligible for election to membership under Constitution Article VIII, as follows:

____ Section 4(a)(1)(2)(3)(4)(5).*

____ Section 5(a)(1)(2)(3)(4)(5).*

G. Morgan Powell

____ Section 6(a)(b).*

Stanley Lee is not being processed at this time. We think he is a member.

**(All elections under Sections 4, 5, & 6 shall comply with the applicable provisions of Sec. 7.)*

This letter is a judgment of the technical eligibility of these candidates for election to membership. Approval of their initiation will be given as soon as your Report of Election and Catalog Cards have been received.

Please be sure to enter, on the Report of Election, the proper action taken by your chapter on every eligible candidate, in accord with instructions on the report form.

When you send your Report of Election and a Catalog Card for **each** electee, keys and certificates will be ordered. *Please remind electees that Catalog Cards are permanent records of their membership and that we need full names (no initials), legibly printed by each electee, class years, and proper mailing addresses.*

If you requested electees' materials, including Constitution and Bylaws booklets, etc., and/or Bent castings on the Report of Eligibility, they are being shipped to you today. Creed cards were mailed earlier. If you will need motto slips for your initiates, please let me know when you send your Report of Election; you probably have a supply in your initiation kit.

Approved by 
James D. Froula, Secretary-Treasurer

The Tau Beta Pi Association, Inc., Founded 1885
Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org

Rebecca Davis

From: Rebecca Davis <rebecca@tbp.org>
To: <bmo5983@ksu.edu>; <mpb3440@ksu.edu>; <starret@ksu.edu>
Sent: Tuesday, April 11, 2000 3:46 PM
Subject: Eminent Engineers

I received the Eligibility Report for your graduate student, Ming Xiao, and two eminent engineers, G. Morgan Powell and E. Stanley Lee.

Ming is eligible to be elected at this time.

However, I cannot process your eminent engineers because their resumes were not included. They need to be mailed to us ASAP. Do NOT fax them because that takes too much time and many times a fax won't get all of the pages.

If you have questions concerning this, please call.

Thanks,

Rebecca Davis

4/11/00



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

**ELIGIBILITY ACKNOWLEDGEMENT OF CANDIDATES FOR ELECTION --
THIS IS NOT YOUR OFFICIAL APPROVAL TO HOLD YOUR INITIATION.**

To the President of the

Kansas Gamma

Chapter

Date March 3, 2000

**

 Your Report of Eligibility has been received, thank you.

** Your undergraduate student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 2.

 Your graduate-student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 3, as follows: _____

 Your alumnus candidate(s) are judged to be eligible for election to membership under Constitution Article VIII, as follows: _____

 Thank you for your Report of Eligibility. Please note that any Section 4(a)(1)(2)(3)(4)(5).* changes such as additions or deletions, or any adjustments made to your Report of Election and Report of Final Action must be reported to HQ. If we are not notified, it will affect your HQ grade for secretary's commendation. Section 5(a)(1)(2)(3)(4)(5).*

Section 6(a)(b).*

**(All elections under Sections 4, 5, & 6 shall comply with the applicable provisions of Sec. 7.)*

This letter is a judgment of the technical eligibility of these candidates for election to membership. Approval of their initiation will be given as soon as your Report of Election and Catalog Cards have been received.

Please be sure to enter, on the Report of Election, the proper action taken by your chapter on every eligible candidate, in accord with instructions on the report form.

When you send your Report of Election and a Catalog Card for each electee, keys and certificates will be ordered. *Please remind electees that Catalog Cards are permanent records of their membership and that we need full names (no initials), legibly printed by each electee, class years, and proper mailing addresses.*

If you requested electees' materials, including Constitution and Bylaws booklets, etc., and/or Bent castings on the Report of Eligibility, they are being shipped to you today. Creed cards were mailed earlier. If you will need motto slips for your initiates, please let me know when you send your Report of Election; you probably have a supply in your initiation kit.

Approved by 
James D. Froula, Secretary-Treasurer

The Tau Beta Pi Association, Inc., Founded 1885
Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org



PLEASE REMEMBER
Initiation fee of \$30 per initiate
is due within 10 days of your
initiation.

Don't forget to send copy
of Roll Book signatures
with Report of Final Action.

James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of the Kansas Gamma Chapter:

Date April 18, 2000

** Your Report(s) of Election and Catalog Card(s) for eligible students have been received and your election of 14 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

** Your Report(s) of Election and Catalog Card(s) for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved under Constitution Article VIII, as follows:

Mig Xiao

Sec. 3

Sec. 4

Sec. 5

G. Morgan Powell

Sec. 6

** These 16 electee(s) are approved for initiation on April 28, 2000

(NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

We need Catalog Card(s) for the following electee(s):

16 Keys have been ordered for delivery as soon as possible. (They usually require 3-4 weeks for delivery.)

16 Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Lanita or Rebecca.

Approved by

James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

The Tau Beta Pi Association, Inc., Founded 1885
Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

**ELIGIBILITY ACKNOWLEDGEMENT OF CANDIDATES FOR ELECTION --
THIS IS NOT YOUR OFFICIAL APPROVAL TO HOLD YOUR INITIATION.**

To the President of the

Kansas Gamma Chapter

Date September 19, 2000

**
Your Report of Eligibility has been received, thank you.

**
Your undergraduate student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 2.

____ Your graduate-student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 3, as follows:

Per Kevin, #'s should be changed. Original list had computer science majors also. 10-10-00

____ Your alumnus candidate(s) are judged to be eligible for election to membership under Constitution Article VIII, as follows:

Kevin, your report said there are 576 seniors, the top 1/5 of which Section 4(a)(1)(2)(3)(4)(5).*
is 112. This is incorrect. The top 1/5 of 576 is 115. We need to either
have an additional three names or an explanation as to why these Section 5(a)(1)(2)(3)(4)(5).*
numbers don't agree. If you have any questions, please call or e-mail Section 6(a)(b).*
me. Thanks, Rebecca

**(All elections under Sections 4, 5, & 6 shall comply with the applicable provisions of Sec. 7.)*


This letter is a judgment of the technical eligibility of these candidates for election to membership. Approval of their initiation will be given as soon as your Report of Election and Catalog Cards have been received.

Please be sure to enter, on the Report of Election, the proper action taken by your chapter on every eligible candidate, in accord with instructions on the report form.

When you send your Report of Election and a Catalog Card for each electee, keys and certificates will be ordered. *Please remind electees that Catalog Cards are permanent records of their membership and that we need full names (no initials), legibly printed by each electee, class years, and proper mailing addresses.*

If you requested electees' materials, including Constitution and Bylaws booklets, etc., and/or Bent castings on the Report of Eligibility, they are being shipped to you today. Creed cards were mailed earlier. If you will need motto slips for your initiates, please let me know when you send your Report of Election; you probably have a supply in your initiation kit.

Approved by


James D. Froula, Secretary-Treasurer

CC: Shellie Starrett, Chief Advisor

The Tau Beta Pi Association, Inc., Founded 1885
Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org

KS Gamma
Eligibility
Fall 2000
Sec 3

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name Bei Liu
2. Has the above named student:
 - a. Completed at least one half of their coursework? Yes X No
 - b. Completed at least one half of their research? Yes X No
3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
---------	--------	-------	-----------------

Zhejiang University	B.S	ChE	95.6
---------------------	-----	-----	------

Zhejiang University	M.S	ChE	99.3
---------------------	-----	-----	------

4. Does the above named student rank in the top 1/5 of his/her class? Yes X No
5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature

Date October 6, 2000

James N. Edgar

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name Tarik Aouam

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
Mohammedia School of engineering	Ingenieur d'Etat (BS)	IE	06/1999
KSU	MS	TE	-

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature

Date

E. Stanley Leo
10/6/00

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name SHERYLL B. JEREZ

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
UNIVERSITY OF THE PHILIPPINES	BSAE	PROCESSING	APRIL 1996

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature

Date

(Signature) (Ronaldo Maghirang)
OCT 3, 2000

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name Yue Jiao

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
<u>Tsinghua Univ. Beijing</u>	<u>Master</u>	<u>Electronics Engineering</u>	<u>April, 1991</u>
<u>Tsinghua Univ. Beijing</u>	<u>Bachelor</u>	<u>Electronics Engineering</u>	<u>July, 1988</u>

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature Bradley A. Kanner
Date 10/6/00

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name Lian Li

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
---------	--------	-------	-----------------

Asian Institute of Technology	Master of Engineering	Industrial Engineering	12/1998
Beijing Polytechnic University	Bachelor of Engineering	Computer Application	07/1991

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature

Date

Bradley A. Kummer
10/6/00

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name BERNARDO PNEDICALA

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
 b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
UNIVERSITY OF THE PHILIPPINES	B.S. AGRICULTURAL ENGINEERING		APRIL, 1990
ASIAN INSTITUTE OF TECHNOLOGY	M. Eng'g	FOOD PROCESS ENG'G	SEPT, 1995

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature

Date

 (Ronaldo Maghirang)
OCT 3, 2000

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name MANISH RAI

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
UNIVERSITY OF ROORKEE (INDIA)	B.S	MECH. ENGG.	MAY 1998

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature [Signature]
Date 10/5/2000

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name TU TRUONG

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
1. <u>Hochiminh City University of Technology</u>	<u>B.E</u>	<u>Chemical Engineering</u>	<u>09/1995</u>
2. <u>Asian Institute of Technology</u>	<u>M.E</u>	<u>Industrial Engineering</u>	<u>12/1998</u>
3. <u>Kansas State University</u>	<u>PhD</u>	<u>Industrial Engineering</u>	

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature

Date

Bradley A. Kummer
10/6/00

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name Romain Vidal-Michel

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes X No
b. Completed at least one half of their research? Yes X No

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
<u>École Nationale Supérieure</u>	<u>BS</u>	<u>Chemical Engineering</u>	<u>05/00</u>
<u>des Industries Chimiques</u>			
<u>(Nancy, FRANCE)</u>			

4. Does the above named student rank in the top 1/5 of his/her class? Yes X No

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature [Signature]
Date 10/3/00



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

ADDENDUM

**ELIGIBILITY ACKNOWLEDGEMENT OF CANDIDATES FOR ELECTION --
THIS IS NOT YOUR OFFICIAL APPROVAL TO HOLD YOUR INITIATION.**

To the President of the

Kansas Gamma Chapter

Date October 16, 2000

**
____ Your Report of Eligibility has been received, thank you.

____ Your undergraduate student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 2.

**
____ Your graduate-student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 3, as follows: Tarik Aouam, Sheryll Jerez, Yue Jiao, Lian Li, Bei Liu, Bernardo Predicala, Manish Rai, Tu Truong, and Romain Vidal-Michel

____ Your alumnus candidate(s) are judged to be eligible for election to membership under Constitution Article VIII, as follows:

____ Section 4(a)(1)(2)(3)(4)(5).*

____ Section 5(a)(1)(2)(3)(4)(5).*

____ Section 6(a)(b).*

____ **(All elections under Sections 4, 5, & 6 shall comply with the applicable provisions of Sec. 7.)*

This letter is a judgment of the technical eligibility of these candidates for election to membership. Approval of their initiation will be given as soon as your Report of Election and Catalog Cards have been received.

Please be sure to enter, on the Report of Election, the proper action taken by your chapter on every eligible candidate, in accord with instructions on the report form.

When you send your Report of Election and a Catalog Card for each electee, keys and certificates will be ordered. *Please remind electees that Catalog Cards are permanent records of their membership and that we need full names (no initials), legibly printed by each electee, class years, and proper mailing addresses.*

If you requested electees' materials, including Constitution and Bylaws booklets, etc., and/or Bent castings on the Report of Eligibility, they are being shipped to you today. Creed cards were mailed earlier. If you will need motto slips for your initiates, please let me know when you send your Report of Election; you probably have a supply in your initiation kit.

Approved by 
James D. Froula, Secretary-Treasurer

The Tau Beta Pi Association, Inc., Founded 1885
Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org

Michael Hafling, PE

101 Notre Dame Circle

Manhattan, KS 66503

785-776-6433

e-mail : mhafling@hotmail.com / cpmschedule@hotmail.com

Personal: Married, two children

Education: B.S. Architectural Engineering, Cum Laude
Kansas State University, 1977
M.S. Architectural Engineering
Kansas State University, 2000

Licenses: Licensed Professional Engineer in NC, SC, FL, VT, KS
Licensed Contractor in NC, SC, GA (currently inactive)

Affiliations: Founding Professional of National Society of Architectural Engineers
American Society Engineering Education
Architectural Engineering Advisory Board Member
Phi Alpha Epsilon / Sigma Lambda Chi
AEI – Committee chair for drafting Architectural Engineering exam – Construction
Management section.

Experience:

Current: Faculty member at Kansas State University, Department of Architectural
Engineering and Construction Science.
Teaching Construction Operations, Construction Drawings, Construction Estimating and
Computer Programming.
Outstanding Professor Award 1999 : College of Engineering , Hollis Award
Awarded the Departmental Outstanding Teacher Award for 1998.
Awarded the Departmental Outstanding Adviser Award for 1999.
AGC Professorship Summer 1998 / Summer 2000
Faculty advisor for student chapter of Habitat for Humanity

1984-August 1997:Pizzagalli Construction Co.

Project Manager 1984-1987

Responsible charge of project from buyout to completion. Responsibilities included
contract negotiation, buyout, design scheduling and completion, accounting, change
orders and final closeout. Projects included a 117,000 sf fast-track project for IBM,
a hospital for Loring AFB and two design-build 15Mw wood fired power plants.

Construction Manager 1987-1994

Multiple project responsibility in New England including design-build low head
hydro facilities, design-build mineral processing facilities and various commercial
properties. Transferred to Raleigh, NC in 1992 to assist in new markets.
Projects in North Carolina included various health care, commercial and institu-
tional facilities. Responsibilities were all inclusive from marketing and proposal
preparation to job closeout. Worked with various A/E's on project development,
design and constructability reviews as well as preliminary estimates. Received
Carolinas AGC awards two years running for project successes in Partnering.

Vice President 1994-1997

Responsibilities were the same as Construction Manager but was added as a member of corporate executive committee to set corporate policy . Continued development of new opportunities in commercial, institutional and governmental facilities. Received National AGC award for partnering on the Duke Power Lincoln Combustion Turbine project. Frequent speaker on contracts, partnering and Project Management skills.

1982-1984: Fedcon Corporation, Kansas City, MO**Construction Manager**

Responsible charge of several \$1,000,000 to \$5,000,000 projects in Western United States. This position was to start this business. Developed this Company into a profitable \$18 million per year company. Innovative approach to VAMC Hospital project in Fresno, CA led to an article in ENR.

1979-1982: Algernon-Blair Industrial Contractors, Inc., Atlanta, GA**Project Engineer, Project Manager, Contracts Administrator**

Field assignments in NC and FL to Main Office Contracts Administrator. Established job cost accounting and integrated into entire Company.

1979: Huffman-Wolf Mechanical Contractors**Project Manager**

Multiple project responsibility in Atlanta area.

1977-1979: Industrotech Constructors, Atlanta, GA**Assistant Project Manager**

Assigned to Nitrocellulose Facility in VA

Computer Skills: DOS, Windows, Access, Word, Excel, MSProject, Visual Basic, Primavera, Suretrak, Expedition Prolog Manager, Autocad, Turbocad, etc.

Publications : *Construction Operations Management*, Under contract with Prentice Hall, due in 2001

Recent Consulting Work:

- Claim consultant : International Power Project
- Bankruptcy Consultant : Subcontractors
- Expert Witness : Trespass benefit analysis
- Confidential Consultant : Toxic Tort over construction defects
- Corporate Development : Team building for regional small contractor
- Software Development : Database management systems for regional general contractors
- Management reorganization for large area general contractor
- Scheduling and system re-engineering for regional general contractor

VITAE

Steven K. Starrett
Assistant Professor
Kansas State University
Civil Engineering Department
119 Seaton Hall
Manhattan, Kansas 66506
Telephone: Office (785) 532-1583
Fax (785) 532-7717

RECEIVED
OCT 30 2000
TAU BETA PI

EDUCATION

Ph.D. in Civil and Construction Engineering (Environmental Engineering)
Iowa State University (ISU) August 1994
The Fate of Fertilizers and Pesticides When Applied to Turfgrass Maintained Under
Golf Course Fairway Conditions
Advanced courses in Contaminant Transport, Water Resources, and Hydrology.

Master of Science in Civil and Const. Engineering (Water Resources)
Iowa State University May 1992
Fertilizer Fate Under Golf Course Conditions in the Midwestern Region

Bachelor of Science in Civil Engineering
University of Missouri-Rolla (UMR) December 1989
Passed Engineer In Training (E.I.T.) Exam

RESEARCH EXPERIENCE

Assistant Professor (Kansas State University) August 1996 - present
Teaching civil engineering courses, conducting research on water resources /
environmental engineering subjects, member of graduate faculty since 1994.

Research Associate - Research Asst. Prof. (KSU) August 1994 to August 1996
Teaching Fundamental of Environmental Engineering and Hydraulics Labs,
lecturing in various classes, writing and submitting research proposals,
assisting faculty members with research projects, serving as the department's
safety officer.

Graduate Research Assistant (Iowa State University) October 1990 - August 1994
Studying the fate of fertilizers and pesticides under golf course conditioned turfgrass

WATER RESOURCES TEACHING EXPERIENCE (KSU)

Hydrology (3 times) - undergraduate course
Hydrologic Methods Laboratory (4 times) - undergraduate lab
Hydraulics (2 times) - undergraduate course
Advanced Hydrology (2 times) - graduate course
Open Channel Hydraulics (1 time) - graduate course
GIS Applications in Civil Engineering (1 time) - graduate course

COMMITTEES

Chair of Line Schedule Committee

Current or Past Member of:

College of Engineering Academic Standards Committee
Department Faculty Search Committee
Department Committee on Student Advising
Department Equipment Committee
Department Graduate Committee
Chi Epsilon Advisor (Civil Engineering Honor Society)

HONORS

EIT of the Year for the State of Kansas, 1996.
Assoc. of Ground Water Scientists and Engineers Graduate Student Fellowship, 1993.
Environmental Education Enterprises Institute Environment Science Scholarship, 1993.
Merwin D. Dougal Memorial Scholarship, Iowa State University, 1991.
Member of Chi Epsilon (XE), Civil Engineering Honor Society.
Member of Sigma Xi, The Scientific Research Honor Society.

GRADUATE STUDENTS ADVISED

Cynthia Joudrey, M.S. in Civil Engineering. 1997. Modeling the Impact of Vegetative Filter Strips on Feedlot Runoff.

Sam Mryyan, M.S. in Civil Engineering. 1999. Investigating Lead Transport from a Firing Range.

SELECTED RESEARCH PROJECT

Comparing Nutrient Losses Via Runoff from a New Golf Course and the Golf Course's Previous Native Condition, United States Golf Association, 5-year study.

REFEREED PUBLICATIONS

Starrett, S.K., N.E. Christians, and T.A. Austin. 1994. Soil Macropore Effects on the Fate of Phosphorus in a Turfgrass Biosystem *Science and Golf II*. A.J. Cochran and M.R. Farrally (ed.). E&FN Spon, London. pp. 443-448.

Starrett, S.K., N.E. Christians, and T.A. Austin. 1995. Fate Of Nitrogen Applied to Turfgrass Covered Soil Columns. *J. of Irrigation and Drainage Engg.* 121(6):390-395.

Starrett, S.K., S.E. Luke, N.E. Christians, and T.A. Austin. 1995. Comparing Chloride Transport of Undisturbed and Disturbed Soil Columns Under Turfgrass Conditions. *Comm. in Soil Sci. and Plant Anal.* 26:1283-1290.

Starrett, S.K., N.E. Christians, and T.A. Austin. 1995. Fate ¹⁵N Amended Urea in Turfgrass Biosystems. . *Comm. in Soil Sci. and Plant Anal.* 26:1595-1606.

Starrett, S.K., N.E. Christians, and T.A. Austin. 1996. Movement of Pesticides under Two Irrigation Regimes Applied to Turfgrass. *J. Environ. Qual.* 25:566-571.

Starrett, S.K., N.E. Christians, and T.A. Austin. 1996. Comparing Dispersivities And Soil Chloride Concentrations Of Turfgrass Covered Undisturbed And Disturbed Soil Columns. *J. of Hydrology.* 180:21-29.

Horst, G.L., P.J. Shea, N.E. Christians, D.R. Miller, C.L. Stuefer-Powell, and S.K. Starrett. 1996. Pesticide Dissipation Under Golf Course Fairway Conditions. *Crop Sci.* 36:362-370.

Starrett, Steven K., Shelli K. Starrett, and G.L. Adams. 1997. Using Artificial Neural Networks and Regression to Predict Percentage of Applied Nitrogen Leached under Turfgrass. *Comm. in Soil Sci. and Plant Anal.* 28:497-507.

Starrett, Steven K., Shelli K. Starrett, Yacoub Najjar, Greg Adams, and Judy Hill. 1998. Modeling Pesticide Leaching from Golf Courses Using Artificial Neural Networks. *Comm. in Soil Sci. and Plant Anal.* 29:3093-3106.

Keaton, M.R., P.K. Kalita, J.P. Harner, and S.K. Starrett. 1998. Evaluation of Vegetative Filter Strips for Nutrient Removal from Feedlot Runoff. ASAE Conference Paper # 98-2014.

Chung, Kyuhyuck, Steve Starrett, Yunchul Chung, and Kyoung S. Ro. 1998. Pesticides and Herbicides 1997 Literature Review. *Water Environment Research*. 70(4) 693-697.

Starrett, Steve, Alok Bhandari, and Kang Xia. 1999. Pesticides and Herbicides 1998 Literature Review. *Water Environment Research*. 71(5): 853-860.

Starrett, Steve, Justin Benna, Jim DeVault, Richard Gallagher, Barbara Licklider, Russ Meier, and Jan Wiersema. 1999. Faculty Experiences with K-State Engineering LEARN™. *Frontiers in Education Conference Proceedings*.

Steven K. Starrett and Shelli K. Starrett. 2000. KTURF: Pesticide and Nitrogen Leaching Model. In "Fate and Management of Turfgrass Chemicals" Edited by Drs. Kenna and Clark. American Chemical Society Symposium Series 743.

Alok Bhandari, Starrett, Steve, and Kang Xia. In press. Pesticides and Herbicides 1999 Literature Review. *Water Environment Research*.

Starrett, S.K., N.E. Christians, and T.A. Austin. In press. Movement of Herbicides under Two Irrigation Regimes Applied to Turfgrass. *Advances in Env. Res.*



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

ADDENDUM

**ELIGIBILITY ACKNOWLEDGEMENT OF CANDIDATES FOR ELECTION --
THIS IS NOT YOUR OFFICIAL APPROVAL TO HOLD YOUR INITIATION.**

To the President of the

Kansas Gamma Chapter

Date October 31, 2000

**
____ Your Report of Eligibility has been received, thank you.

____ Your undergraduate student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 2.

____ Your graduate-student candidate(s) are judged to be eligible for election to membership under Constitution Art. VIII, Sec. 3, as follows: _____

**
____ Your alumnus candidate(s) are judged to be eligible for election to membership under Constitution Article VIII, as follows:

____ Section 4(a)(1)(2)(3)(4)(5).*

____ Section 5(a)(1)(2)(3)(4)(5).*

Michael Hafling and Steven K. Starrett

____ Section 6(a)(~~h~~)x.*

____ **(All elections under Sections 4, 5, & 6 shall comply with the applicable provisions of Sec. 7.)*

This letter is a judgment of the technical eligibility of these candidates for election to membership. Approval of their initiation will be given as soon as your Report of Election and Catalog Cards have been received.

Please be sure to enter, on the Report of Election, the proper action taken by your chapter on every eligible candidate, in accord with instructions on the report form.

When you send your Report of Election and a Catalog Card for each electee, keys and certificates will be ordered. *Please remind electees that Catalog Cards are permanent records of their membership and that we need full names (no initials), legibly printed by each electee, class years, and proper mailing addresses.*

If you requested electees' materials, including Constitution and Bylaws booklets, etc., and/or Bent castings on the Report of Eligibility, they are being shipped to you today. Creed cards were mailed earlier. If you will need motto slips for your initiates, please let me know when you send your Report of Election; you probably have a supply in your initiation kit.

Approved by 
James D. Froula, Secretary-Treasurer

The Tau Beta Pi Association, Inc., Founded 1885
Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org



PLEASE REMEMBER
Initiation fee of \$30 per initiate
is due within 10 days of your
initiation.

Don't forget to send copy
of Roll Book signatures
with Report of Final Action.

James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of the Kansas Gamma Chapter: Date November 13, 2000

** Your Report(s) of Election and Catalog Card(s) for eligible students have been received and your election of 23 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

** Your Report(s) of Election and Catalog Card(s) for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved under Constitution Article VIII, as follows:

Lian Li, Romain Vidal-Michel, Tarik Aouam, Tu Trong, Sheryll Jerez, Bei Liu,
Bernardo Predicala, Yue Jiao,

Sec. 3

Sec. 4

Sec. 5

Michael Hafling and Steven K. Starrett

Sec. 6

** These 33 electee(s) are approved for initiation on November 30, 2000

(NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

We need Catalog Card(s) for the following electee(s): _____

33 Keys have been ordered for delivery as soon as possible. (They usually require 3-4 weeks for delivery.)

33 Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Rebecca or Sherry.

Approved by _____

James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

The Tau Beta Pi Association, Inc., Founded 1885
Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org

Rebecca Davis

From: Rebecca Davis <rebecca@tbp.org>
To: <rhayter@ksu.edu>
Sent: Thursday, March 15, 2001 3:29 PM
Subject: Re: National Convention

Dr. Hayter,

I will be glad to send you an Advisor's Manual. Do you have a current Constitution and Bylaws Book or would you like for me to send you one of those also.

Is Shelli Starrett going to stay on as a regular advisor even though she will no longer be the Chief Advisor?

If you have any questions, please feel free to contact Roger or myself. He can be reached at roger @tbp.org and I can be reached at rebecca@tbp.org.

I look forward to meeting you at the Convention. Sherry already has your information so that you can start receiving the Convention letters once they start going out.

Sincerely,

Rebecca Davis
 Collegiate Chapter Assistant

----- Original Message -----

From: TBP <tbp@tbp.org>
To: Rebecca Davis <rebecca@tbp.org>
Sent: Thursday, March 15, 2001 8:42 AM
Subject: FW: National Convention

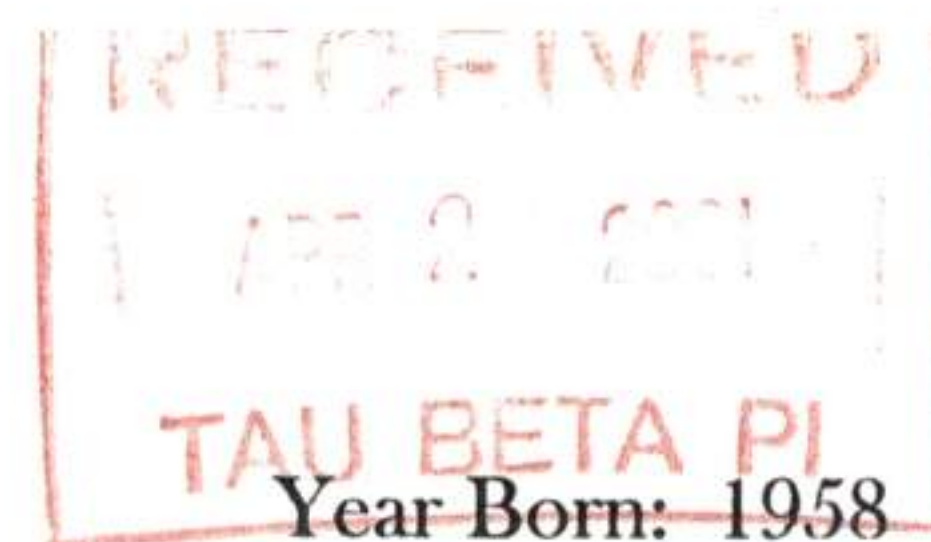
>
 >
 > Roger E. Hawks
 > Assistant Secretary-Treasurer
 > The Tau Beta Pi Association
 > The National Engineering Honor Society
 > Web: www.tbp.org
 > Voice: 865/546-4578
 > Fax: 865/546-4579
 > Mail: PO Box 2697, Knoxville TN 37901
 >
 > -----Original Message-----
 > From: Richard B. Hayter [<mailto:dhayter@oz.oznet.ksu.edu>]
 > Sent: Wednesday, March 14, 2001 10:27 AM
 > To: tbp@tbp.org

Mla
3-16-01

> Subject: National Convention
>
>
> I have recently become the lead advisor for the Kansas State
> University TBP chapter.
>
> A letter inviting the previous advisor to the National Convention was
> in the file I inherited.
>
> I plan to attend the convention and would appreciate receiving
> details as they become available. My address and e-mail follow in
> the signature block.
>
> See you in Columbus.
>
> Dick Hayter
>
> P.S. If there is any material produced by TBP for advisors, I would
> appreciate receiving it. I'm on a steep learning curve. Thanks.
>
> _____
> Richard B. Hayter
> Assoc. Dean for External Affairs
> College of Engineering
> 133 Ward Hall
> Kansas State University
> Manhattan, KS 66506-2508
> Phone: (785) 532-6026
> Fax: (785) 532-6952
> e-mail: rhayter@ksu.edu
> College Web: <http://www.engg.ksu.edu>
> Personal Web: <http://www.engg.ksu.edu/people/rhayter/>
>
>
>
>

KS Gamma
Spring 2001
Eligibility
Sec 2

BIOGRAPHICAL SKETCH



NAME: Bradley A. Kramer

TITLE: Associate Professor and Head

DEPARTMENT: Department of Industrial Engineering

DEGREES: B.S., Industrial Engineering, Kansas State University, 1980
M.S., Industrial Engineering, Kansas State University, 1981
Ph.D., Industrial Engineering, Kansas State University, 1985

EXPERIENCE: Director, The Advanced Manufacturing Institute, present.
Associate Professor and Head, Department of Industrial Engineering,
Kansas State University, present.
Acting Director, The Advanced Manufacturing Institute, Fall, 1997.
Associate Professor, Department of Industrial Engineering,
Kansas State University, 1992 - 1993.
Assistant Professor, Department of Industrial Engineering,
Kansas State University, Manhattan, KS, 1985 - 1991.
Associate Director for Research & Laboratory Development,
Center for Research in Computer Controlled Automation,
Kansas State University, 1988 - 1990.
Research Associate, Air-Force-SCEEE Summer Faculty Research
Program, Wright-Patterson AFB, OH, Summer 1983.
Instructor, Department of Management, Kansas State University,
1981 - 1984.
Research Assistant, Industrial Engineering, Kansas State
University.
Industrial Engineer, General Foods Corporation, Topeka, KS,
Summer, 1979.

PROFESSIONAL SOCIETIES:

American Society of Engineering Educators
Institute of Industrial Engineers (KSU Student Chapter Advisor)
Society of Manufacturing Engineers/CASA

HONORS AND AWARDS:

Alpha Pi Mu
Phi Kappa Phi
Sigma Xi
Outstanding Undergraduate Teacher, Department of Industrial
Engineering, Kansas State University, 1985, 1986, 1987, 1988.
Halliburton Professor, College of Engineering, Kansas State
University, 1985, 1990.
James Hollis Award for Excellence in Undergraduate Engineering
Education; KSU College of Engineering, 1988.
Outstanding Young Men of America, 1988.
Ralph Teetor Outstanding Engineering Educator, Society of
Automotive Engineers, 1988.
ASEE/Dow Outstanding Young Faculty Award, 1990.
Outstanding Advisor in the College of Engineering, 1992.

UNIVERSITY COURSES TAUGHT:

Advanced Topics in CIM
 Computer Aided Manufacturing
 Computer Applications in Industrial Engineering
 Industrial System Dynamics
 Introduction to Industrial Engineering
 Manufacturing Systems Design & Analysis
 Numerical Control of Machine Tools
 Product and Process Engineering
 Production Management
 Production Planning & Inventory Control
 Production Process Engineering
 Robotics
 Topics in Automated Factory Concepts
 Tool Engineering

WORKSHOPS CONDUCTED:

Justification of Automation
 Computer Numerical Control for the Small Manufacturer

GRANTS RECEIVED:

1. Learning Center for Manufacturing: An Innovative Model for Manufacturing Engineering. This project builds a learning factory for students to produce products for customers while gaining professional experience. I am the principal investigator. The project was funded by SME for 3 years with matching funds provided by KTEC (\$418,000).

2. Engineering Learning Center: Model for Systeming "Engineering Education Reform". This project seeks to extend the use of our manufacturing learning center model to more students in engineering, business, to vo-tech disciplines. I assumed the principal investigator role upon departure of the PI. The project was funded by NSF for 3 years with matching funds provided by KTEC (\$1,250,000).

3. Provision of an Academic Coordinator & Other Academic Services to Support the Development of a Manufacturability Curriculum. This project provided technical consulting to the Kansas City Division of Allied Signal to help them develop their own manufacturability curriculum. I was the principal investigator on this project. The project term was from Oct. 1, 1991, to May, 1994 and was funded by Allied Signal (\$280,000).

4. Integrated Design, Manufacture, and Assembly Research Equipment Project. This project will develop an interdisciplinary research laboratory for our integrated design, manufacture, and assembly research. I was a principal investigator along with Dr. Garth Thompson, Professor of Mechanical Engineering at KSU. The project was supported by the United States Department of Education (\$375,000). Matching funds for the project were also acquired from various sources (\$503,000).

GRANTS RECEIVED: (Continued):

5. **Development of a Flexible Material Handling Cell.** This project developed an automated material handling cell for our Integrated design, Manufacture & Assembly research laboratory. I was co-investigator on this project. It was sponsored by KTEC (\$100,000), Kraft Telerobotics (\$100,000), and Master Machine Tools (\$50,000).
6. **Manufacturing Engineering Education Development at KSU.**
1989-1990: I was the principal investigator for this project. The project provides \$7,570 to support the development of the manufacturing engineering program at KSU. This grant provided \$7,170 for digital readouts for our lathes and for bar code equipment and \$400 for faculty development.

1988-1989: I was the principal investigator for this project. The project provided \$11,535 to support the development of the manufacturing engineering program at KSU. This grant provided funds for microcomputers for our CAM laboratories, a graduate student fellowship, faculty development funds, and software from Microbot.

1987-1988: I was the principal investigator for this project. The project provided \$10,600 to support the development of the manufacturing engineering program at KSU. This grant provided funds for faculty development and the purchase of an Apollo workstation.

1986-1987: I was the principal investigator for this project. The project provided \$7,650 to support faculty development, the acquisition of manufacturing engineering library materials, and to purchase power workholding equipment and robot end effectors.
7. **Equipment Grants.**
In addition to the above, I was responsible for the following equipment grants to Kansas State University (value in excess of one million dollars): a pallet assembly system, seven industrial robots, two programmable controllers, and a data logger/scanner system.

RECENT ARTICLES & PRESENTATIONS:

1. Kramer, Bradley A., Dale Basham, and Franklin Spikes, "Lifelong Engineering Education: A Cooperative University/Industry Approach," World Conference on Engineering, 1995. Citation information not yet available.
2. Kramer, Bradley A. and Satya Nadanasundaram, "Development of an Expert Milling Defect Diagnosis System," Proceedings of the Fourth Oklahoma Symposium on Artificial Intelligence, 1990.
3. Kramer, Bradley A. and Ching-Lai Hwang, "Resource Constrained Project Scheduling: Modelling With Multiple Alternatives," Journal of Mathematical Computing and Modelling, Vol. 15, No. 8, pp. 49-63, 1991.

RECENT ARTICLES: (Continued)

4. Andrus, David, Bradley Kramer and Paul McCright, "Global Competitiveness: A Case for Cooperative Manufacturing/Marketing Education," Proceedings of the 1989 Annual Meeting of the Southern Marketing Association.
5. Kramer, Bradley A., Paul McCright, and David Andrus, "Manufacturing vs. Marketing: Breaking the Barriers," presented to the 1989 Midwest Section Meeting of ASEE.
6. Lee, Y. Y., B. A. Kramer, and C. L. Hwang, "A Fuzzy Linear Programming Approach to Aggregate Planning," Accepted for publication in Computers & Industrial Engineering.
7. Lee, Y. Y., B. A. Kramer, and C. L. Hwang, "A Comparative Study of Three Lot-Sizing Methods for the Case of Fuzzy Demand," Accepted for publication in the International Journal of Operations & Production Management, Vol. 11, No. 7, 1991.
8. Lee, Y. Y., B. A. Kramer, & C. L. Hwang, "An Interactive Fuzzy Multiple Objective Linear Programming Approach to Aggregate Production Planning," Presented at the First International Conference on Automation Technology, Taiwan, 1990.
9. Lee, Y. Y., B. A. Kramer, and C. L. Hwang, "Part Period Balancing With Uncertainty: A Fuzzy Sets Theory Approach," International Journal of Production Research, Vol. 28, No. 10, pp. 1771-1778, 1990.
10. Kramer, Bradley A., Arun Anur, Satya Nadanasundaram, and Suresh Reddy, "Comparison of an Expert System and A Neural Network Used to Perform Milling Diagnostics," Proceedings of the Fifth Oklahoma Symposium on Artificial Intelligence, 1991.
11. Gondhalekar, Sudhir and Bradley A. Kramer, "Flexible Automated Assembly From Product Specific and Generic Information," Proceedings of the Kansas Conference on Excellence in Manufacturing, 1992.
12. Bradley A. Kramer and Biju Andrews, "Evaluation of the Use of Dynamic Information in Job Shop Scheduling," Proceedings of the Kansas Conference on Excellence in Manufacturing, 1992.
13. Kramer, Bradley A., "A Hands-On Approach to Production Planning and Control," Proceedings of the 1991 ASEE Annual Conference.
14. Cranmer, Laura and Bradley A. Kramer, "A Method to Estimate Robot Cycle Time," IBM Technical Report, 1992.
15. Ben-Arieh, David and Bradley A. Kramer, "Computer Aided Process Planning for Assembly: Generation of Assembly Operations Sequence," International Journal of Production Research, Vol. 32, No. 3, 1994, pp. 643-656.

RECENT ARTICLES: (Continued)

16. Subramanian, Udayan and Bradley A. Kramer, "A Heuristic Algorithm for Integrated Process Planning and Scheduling Under Tooling Constraints," Under revision for publication in the International Journal of Production Research, Fall, 1995.
 17. Narayanan, Ravishanker and Bradley A. Kramer, "A Cost Based Heuristic Algorithm For Dynamic Scheduling Using Strategic W.I.P. and Concurrent Feeder Process Paths," submitted for publication in the International Journal of Production Research, Fall, 1994.
-

KS Gamma
Spring 2001
Eligibility
Sec 3

RECEIVED
APR 26 2001
TAU BETA PI

RBV
LAP
MA

Tau Beta Pi

Graduate Student Eligibility Check-Sheet

Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name GANGJUAN FAN
2. Has the above named student:
- a. Completed at least one half of their coursework? Yes ☒ No ☐
 - b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
Asian Institute of Technology	M.E.	Agricultural Machinery & Management	Aug. 20, 1999
Beijing Institute of Technology	B.S.	Mechanical Engineering	July, 1989

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐
5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature [Signature]
Date 3/1/2001

DUE 3/2



Tau Beta Pi

Graduate Student Eligibility Check-Sheet

Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name PAUL LEBBIN

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
 b. Completed at least one half of their research? Yes ☐ No ☒

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
VISU	MECH	DA	5/99
Engineering	B.S.	Mech. Engr.	5/99

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature M. H. Hor.

Date 3/1/01

Tau Beta Pi
Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name HEATHER LESAN

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
KANSAS STATE UNIV.	B.S. B.S.	CIVIL ENGINEERING	MAY 1999
(Secondary Major: NATURAL RESOURCES/ ENVIRON. SCIENCE)			

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☐ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature _____

Date _____

Tau Beta Pi

Graduate Student Eligibility Check-Sheet



Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name MICHAEL E. RAEL

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes X No
b. Completed at least one half of their research? Yes No X

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
SEWARD COUNTY COMM. COL.	NONE	NONE	NONE
KANSAS STATE UNIVERSITY	B.S.	BIOL. + AG. ENGG	5/00
KANSAS STATE UNIVERSITY	M.S.	BIOL. + AG. ENGG	EXPECTED: 8/01

4. Does the above named student rank in the top 1/5 of his/her class? Yes X No

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

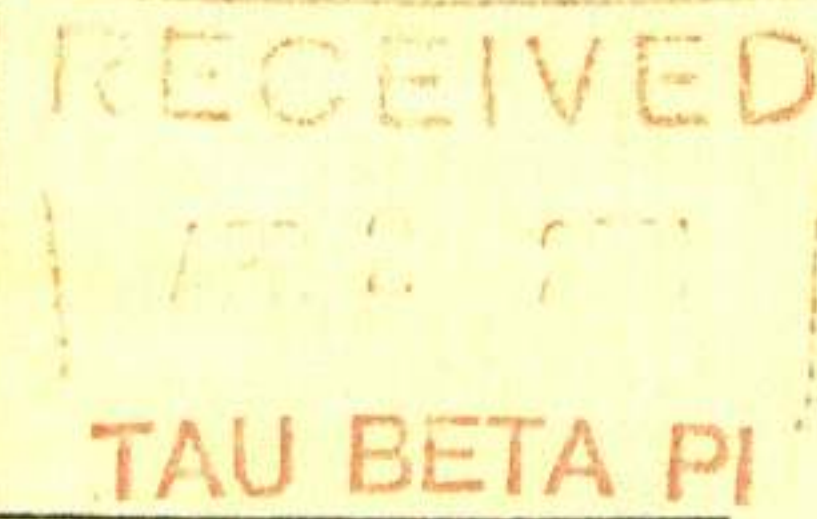
Advisor Signature Kyle R. Mon
Date 4/24/01

CBAL OFFICIAL INITIATION APPROVAL

1. *Hung up before I got her name*
2. 4-3001
3. Sherry

Approval for ¹² ~~10~~ undergrad.
~~5~~ grad or em. eng.

THE TAU BETA PI ASSOCIATION
POSTPONED & FINANCIAL REFUSAL ELECTEES



Chapter Kansas Gamma

Date Spring 2001

The persons listed below were elected by your chapter during past initiation seasons as noted. They have refused membership for financial reasons (Constitution Article VIII, Section 10) or have simply missed attending a formal initiation. Unless their election is to be cancelled, at the option of your chapter, the following three options apply:

- A) Persons whose names appear on this list and who remain eligible for membership may be initiated at the next regular initiation without re-election. Such electees who graduate may be initiated without re-election within five years from the date of election.
- B) Persons listed who become academically ineligible *and* whose postponements have been *approved and documented* by the Advisory Board may be initiated at the next regular initiation.
- C) Persons listed who become ineligible and whose postponements have *not* been approved by the Advisory Board must become eligible again and be re-elected during a subsequent term in order to be initiated.

If it is inconvenient for them to return to your chapter for initiation, arrangements can be made through the National Headquarters for their initiation by chapters near their homes.

Please indicate the action to be taken on each electee listed; i.e., To be initiated on 4/30/01 (date); Election cancelled by the chapter; Continue financial refusal or postponed status; etc.

RETURN THIS SHEET WITH YOUR REPORT OF ELECTION

Name & Class	Status / Date Elected	Advisory	Re: Key	Action by Chapter
		Board Approval		
Martin D. Boos, '03	Post - Fall 2000	Approved	Chapter has	<u>To BE INITIATED</u>

KS Gamma
Fall 2001
Eligibility
Sec 3

RECEIVED
NOV 12 2001
TAU BETA PI

Tau Beta Pi

Graduate Student Eligibility Check-Sheet

Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name WANGPING SUN
2. Has the above named student:
- a. Completed at least one half of their coursework? Yes ☒ No ☐
 - b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
NORTHERN JIAOTONG UNIVERSITY	Bch. of Engineering	Vehicle Engineering	Sept. 1988
COMPUTING & INFORMATION SCIENCES	Master	Software Engineering	May 2002

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐
5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature William Hambley
Date 9/21/01



**Department of Computing
and Information Sciences**

234 Nichols Hall
Manhattan, KS 66506-2302
785-532-6350
Fax: 785-532-7353

September 21, 2001

To: Tau Beta Pi

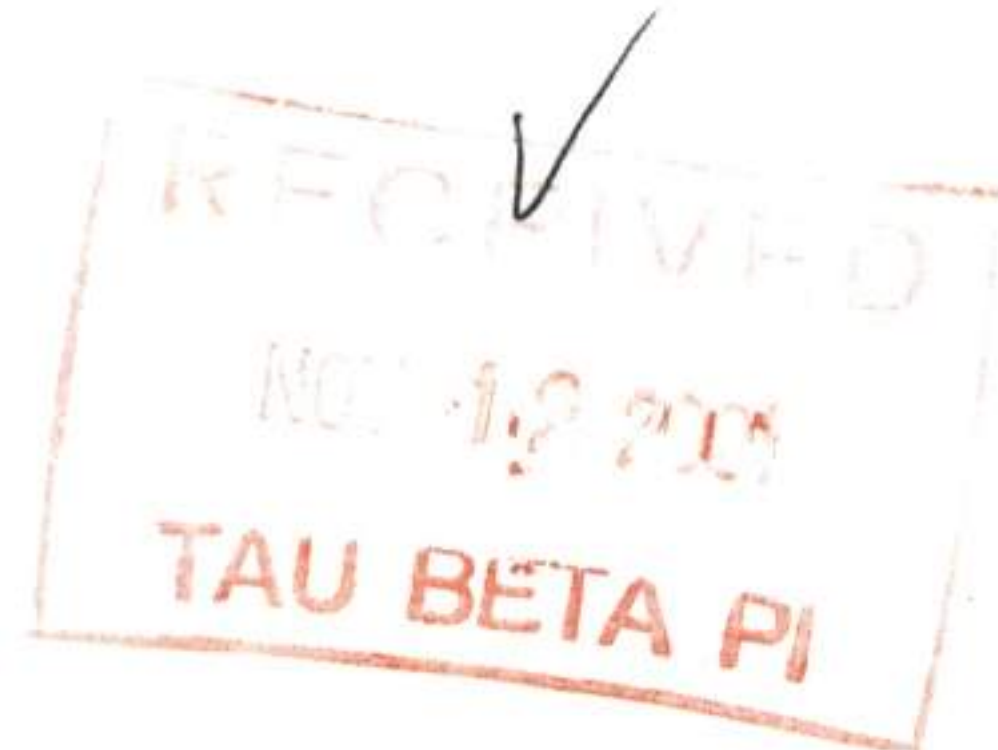
Re: Wangping Sun,

This letter is in nomination of Mr. Sun for initiation into TBP.

Mr. Sun is in the final stages of project work for the Master of Software Engineering degree. He has a 3.85 g.p.a. He has a B.Engr. degree in vehicle engineering from Northern Jiaotong University in Beijing, China. However, he has worked in software companies, including China National Petroleum Chemical & Engineering Corp., Beijing, and the Asian Development Bank and the World Bank in Bangkok, Thailand. He is currently a programmer in the Information Systems Office at K.S.U

Mr. Sun has been a valuable contributor to research in the C.I.S. department. He investigated, tested, and developed on-line documentation for Java connectivity to the Teradata database management system in our department. For his master's project, he is demonstrating business model Enterprise Java Beans and development tools for Oracle databases. He has been able to tackle emerging technology topics with little documentation and develop useful demonstrations and documentation.

William Hankley, Professor



Tau Beta Pi

Graduate Student Eligibility Check-Sheet

Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name Fangxiang Xu

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
Tongji University	M.S.	Environmental Engineering	1999.3
China Textile University	B.S.	Environmental Engineering	1996.7

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐

5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature

Date

Kandelville
9/28/01

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <ljs7200@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, November 12, 2001 11:35 AM
Subject: Eligibility Acknowledgement

To: Lesley Jean Schaefer
From: TBP Web Server
Subject: Eligibility Acknowledgement

To the President of Kansas Gamma Chapter
Date November 12, 2001

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

** Graduate candidates(s) are eligible.

VIII, Sec. 3, as follows: Wangping Sun, Fangxiang Xu, and Jenny Ziegler

Approved by: James D. Froula, Secretary-Treasurer

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <ljs7200@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, November 12, 2001 11:37 AM
Subject: Official Approval To Hold Your Initiation

To: Lesley Jean Schaefer
From: TBP Web Server
Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter Date: November 12, 2001

**** Report(s) of Election for eligible students have been received and your election of 25 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.**

 Catalog Cards for eligible students have been received and your election of 25 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

**** Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:**

 Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

Sec. 3: Wangping Sun, Fangxiang Xu, and Jenny Ziegler

Sec. 4:

Sec. 5:

Sec. 6:

**** These 25 electee(s) are approved for initiation on 11/18/2001.**

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

**** We need Catalog Card(s) for the following electee(s):**

Todd Edward Berger,
Derrick Michael Brouhard,
Mackenzie Marie Dewerff,
Jessica Irene Holmes,
Kristin Michelle Kitten,
Matthew Paul Overstake,
Nathan Kimball Parker,
Jarrod N Reimer,
Benjamin Ross Sommers,
Robert Marshall Caplinger,
Mason Daniel McPike,

Alan Matthew Schulenberg,
Mark Alan Hartter,
Craig Edward Jimenez,
Jessica Lynn Ney,
Matthew C Mikus,
Jonathan Andrew Carter,
Ethan Lee Pauly,
Jackson L Simonich,
Brett Edward Koons,
Tomek P Rys,
Tara MacLean Hancock,
Shelly Ann Allison,
Simon D Harkins,
Heidi Helene Mueldeener

___ Keys have been ordered for delivery as soon as possible (They usually require 3-4 weeks for delivery.)

___ Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Latina or Rebecca.

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

5 1 50

Lesley,

Rebecca

Subject: Final Action Acknowledgement (fwd)

> 25 C-VIII, Sec. 2 Undergraduate Student(s)

>

> __ C-VIII, Sec. 3 Graduate Student(s)

>

> __ C-VIII, Sec. 4 Alumnus(i)

>

> __ C-VIII, Sec. 5 Alumnus(i)

>

> __ C-VIII, Sec. 6 Eminent Engineer(s)

>

> 25 TOTAL NUMBER OF NEW MEMBERS

>

>

>

> If your chapter records do not agree with these figures, please notify me at once. Your

> chapter account is being charged with national fees and Convention assessments for this

> total number of new members. The fees and assessments are due within ten days after initiation.

>

>

> Catalog cards or other materials needed from you to complete our records are noted below

> and must be sent immediately. If nothing is noted, then our record of the initiation is complete,

> thank you.

>

>

> NOTE: We received the roll book signatures. However, your Final Action CANNOT be processed until we receive the catalog cards. We MUST have a card for each initiate in our office. It is their permanent record. Rebecca

>

>

>

> Approved by: James D. Froula, Secretary-Treasurer

>

>

>

>

>

>



25 hamma
SPR 2002
Eligibility
Sel 3

>===== Original Message From "Ronaldo G. Maghirang" <rmaghir@ksu.edu> =====

I wish to nominate two of my graduate advisees for Tau Beta Pi: Edna Razote and Reynaldo Billate. Both are outstanding graduate students pursuing M.S. degrees in Biological and Agricultural Engineering. Both have completed 50% of their courses and research. Ms. Razote has an overall GPA of 3.75; Mr. Billate has an overall GPA of 4.0.

If you need additional information, please let me know.

Thanks,
Ronaldo

Ronaldo G. Maghirang
Department of Biological and Agricultural Engineering
Kansas State University
147 Seaton Hall
Manhattan, KS 66506

Phone: (785) 532-2908 Fax: (785) 532-5825

E-mail: rmaghir@ksu.edu

<http://www.bae.ksu.edu/rmaghir/>

Tau Beta Pi **Graduate Student Eligibility Check-Sheet**



DS TK
 BRS

Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECE office.

1. Student's Name Elna B. Razo

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
 b. Completed at least one half of their research? Yes ☒ No ☐

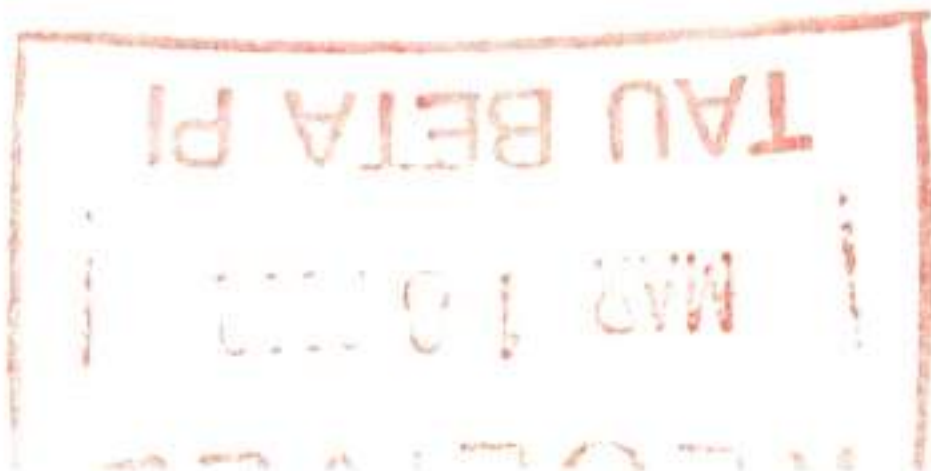
3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
University of the Philippines Los Baños	B.S. Agricultural Engineering	Environment and structures	April 1996

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐
 5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature [Signature]

Date 3/1/02



Tau Beta Pi

Graduate Student Eligibility Check-Sheet

Dear Advisor,

Please complete the following form regarding the eligibility of the student you recommended for initiation into Tau Beta Pi, and return it to the EECF office.

1. Student's Name REYNALDO BILATE

2. Has the above named student:

- a. Completed at least one half of their coursework? Yes ☒ No ☐
b. Completed at least one half of their research? Yes ☒ No ☐

3. Name previous College(s) attended what degree he/she received, his/her major at that college, and graduation date from each previous college.

College	Degree	Major	Graduation Date
UNIV. OF THE PHILIPPINES	BS Ag Eng	Crop Processing	April 1998
LOS BAÑOS (UPLB)			

4. Does the above named student rank in the top 1/5 of his/her class? Yes ☒ No ☐
5. If no was answered on question four, please attach a letter recommending the student for initiation into Tau Beta Pi.

Advisor Signature [Signature] Date 2/28/02

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <crs8354@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, March 18, 2002 12:12 PM
Subject: Eligibility Acknowledgement

To: Daniel Scott Summers
From: TBP Web Server
Subject: Eligibility Acknowledgement (NOT initiation approval!)

To the President of Kansas Gamma Chapter
Date March 18, 2002

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

** Graduate candidates(s) are eligible.

VIII, Sec. 3, as follows: Edna B. Razote and Reynaldo dela cruz Billate

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <crs8354@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, April 01, 2002 12:45 PM
Subject: Official Approval To Hold Your Initiation

To: Daniel Scott Summers
From: TBP Web Server
Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter Date: April 1, 2002

** Report(s) of Election for eligible students have been received and your election of 9 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

** Catalog Cards for eligible students have been received and your election of 9 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

** Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

** Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

Sec. 3: Edna Razote and Reynaldo Dela Cruz Billate

Sec. 4:

Sec. 5:

Sec. 6:

** These 11 electee(s) are approved for initiation on 04/15/2002.

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

___ We need Catalog Card(s) for the following electee(s):

I need a street address for Edna Razote. All that was on her catalog card was Manhattan, KS. Thanks.

** Keys have been ordered for delivery as soon as possible (They usually require 3-4 weeks for delivery.)

** Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Latina or Rebecca.

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <crs8354@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Tuesday, April 23, 2002 3:16 PM
Subject: Final Action Acknowledgement

To: Daniel Scott Summers
From: TBP Web Server
Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter Date April 23, 2002

The Report of Final Action and photocopy of the Roll Book signatures for your 04/15/2002 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

8 C-VIII, Sec. 2 Undergraduate Student(s)

6 C-VIII, Sec. 3 Graduate Student(s)

__ C-VIII, Sec. 4 Alumnus(i)

__ C-VIII, Sec. 5 Alumnus(i)

__ C-VIII, Sec. 6 Eminent Engineer(s)

14 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

Approved by: James D. Froula, Secretary-Treasurer

4/24/2002

Rebecca Davis

From: "Rebecca Davis" <Rebecca@tbp.org>
To: "crs8354" <crs8354@ksu.edu>
Sent: Tuesday, April 16, 2002 9:35 AM
Subject: Re: KS Gamma Report of Final Action

Christina,

We are working on this problem. Right now, the only thing you can do is mark him postponed, and then I will change it when the report is processed. I will put this at the front of your file so that I can remember to do it.

Rebecca

----- Original Message -----

From: "crs8354" <crs8354@ksu.edu>
To: "Rebecca Davis" <Rebecca@tbp.org>
Sent: Monday, April 15, 2002 9:36 PM
Subject: KS Gamma Report of Final Action

> Hello Rebecca,
> One of the undergraduate prospective members whom we had already elected,
> junior Ryan Patrick Burns, has decided to switch majors and thus will not
> be
> initiated into our organization. I'm not sure how to indicate this on the
> online report of final action. Other than that, however, the report is
> complete, and the copy of the roll book signatures and graduate student
> report
> are in the mail.
> Thank You,
> Christina Strunk
> KS Gamma Corresponding Secretary
>
>
>
>

**TOM C. ROBERTS PROFESSIONAL & CIVIC ACTIVITIES
SUMMARY OF SERVICE**



NAME:

Tom C. Roberts, P.E., CMC
2015 Pierre
Manhattan, KS 66502

Birthdate: July 24, 1947
(H) 785 539-3188 (O) 785 532-5455
e-mail: tcr@ksu.edu

DEGREE:

B.S. Nuclear Engineering, Kansas State University, 1970.
M.S. Nuclear Engineering, Kansas State University, 1972.

**REGISTRATIONS/
CERTIFICATIONS:**

Professional Engineer EN 016925, Missouri, 1976 - Present.
Certified Management Consultant (CMC), 1993 - Present.
Certificate of Completion, Four Roles of Leadership, Stephen Covey & Associates,
Manhattan, KS, January 4-6, 2000
Certificate of Completion, What Matters Most, Stephen Covey & Associates, Overland
Park, KS, August, 1999.
Certificate of Completion, A Professional Seminar for Management Consultants,
Institute of Management Consultants, Denver, CO, October, 1991.
Certificate of Completion, The 7 Basic Habits of Highly Effective People,
Stephen Covey & Assoc., August, 1989.
Instructor Certification, Managing Interpersonal Relationships,
Wilson Learning Corp., July, 1988.
Certificate of Completion, Counselor Selling, Wilson Learning Corp., Feb. 17, 1986.
Instructor Certification, Effective Management Program, November, 1985.
Quality Assurance Certification, Black & Veatch Consulting Engineers, 1975.

**PROFESSIONAL
ACTIVITIES:**

American Society of Engineering Education, 1983 - Present.
Vice President, Member Affairs and ASEE Board of Directors, 2002 - present.
Chair Zone III and member of ASEE Board of Directors, 1999 - 2001.
Chair Elect, Zone III, 1998-99.
Past-Chair Mid-West Section, 1996 - 1997.
Chairman Mid-West Section & Zone III Board, 1995 - 1996.
Chairman Elect & Awards Chairman, Mid-West Section, 1994 - 1995.
Board of Directors, Continuing Professional Development Division, 1993 - 1997.
Chairman, Special Interest Group on Leadership Training and Development
(SIGLTD), 1987-1993.
Panelist & Presenter, Mid-West Section Meetings, March, 1985, 1990 - 1993,
1995, 1997 - 1999.
Presenter, College Industry Education Conference, 1989 - 1997.
Presenter, ASEE Annual Meeting, 1992 - 1995.
CPDD Program Chair, ASEE Annual Meeting, 1994.

**PROFESSIONAL
ACTIVITIES: (Continued)**

Order of the Engineer, Link #158, Kansas State University, May 17, 1997.

Kansas Society for Professional Engineers (KSPE) - National Society for Professional Engineers (NSPE), 1974 - present.

Board of Directors, Tri-Valley Chapter, 1997 - 1998.

MATHCOUNTS Chairman, Tri-Valley Chapter, 1996 - 2002.

Customer Survey Team, Membership Task Force, 1996 - 1997.

Engineer's Week Speaker, 1991 - 2002.

Toastmasters International, Member, 1979 - 1990, 1996 - present.

Club Expansion, Kansas State University, College of Veterinary Medicine, 1998.

Club Expansion, Business Toastmasters, KSU College of Business, 1996.

Member/Collegiate Advisor, Powercat Masters, 1996 - present.

Charter Member, Powercat Masters, KSU College of Engineering, 1996.

District 22 Club Extension Committee, 1986 - 1988.

Area 7 Governor, 1983 - 84.

Charter Member, Heartland Club, 1983.

President, Power Masters Club, 1982.

Administrative Vice President, 1979 and 1981.

Charter Member, Power Masters Club, 1979.

Mid-America Engineering Guidance Council, 1980-1999.

Chairman, 1984; Chairman-elect, 1983.

Director, 1981-83; Videotape/Media Committee, 1986-1999.

Kansas Section - American Nuclear Society, 1993 - 1997.

Missouri/Kansas Section - American Nuclear Society, 1974 - 1988.

Chairman, 1978-79,

Director, 1979-80; 1987-88.

Secretary, 1976-77, Vice Chairman, 1977-78.

Public Information Chairman, 1975 - 1977.

Teacher Energy Symposium Chairman, 1975-1977.

Chairman, KSU Student Chapter, ANS, 1969-70.

Heart of America Architects and Engineers Legislative Council (HAAELC), 1979 - 1985.

Chairman, 1983-84; Director; 1984-85.

Secretary, 1982-83; Vice Chairman, 1983.

Legislative Process Seminars, 1983 and 1985.

Mo-Kan ANS Representative, 1979 - 85.

**CIVIC
ACTIVITIES:**

Sigma Chi Fraternity

Grand Praetor, KS/NEB Province, April, 1981 - Present.
Member, Manhattan/Delta Upsilon Alumni Chapter, 1974 - Present.
President, Order of Constantine, 2001 – Present.
Vice-President, Order of Constantine, 1999 - 2001.
Eastern & Texas Province Conference Lecturer, January & March, 2001.
Host Grand Praetor for 53rd Leadership Training Workshop, 2000.
Alabama/Southern Province Conference Lecturer, February 26, 2000.
General Fraternity Long Range Planning Committee, 1998 - 1999.
Grand Praetor Liaison to Leadership Training Board, 1997 - 1998.
Host Grand Praetor for 52nd Leadership Training Workshop, 1999.
Host Grand Praetor for 50th Anniversary Leadership Training Workshop, 1997.
BLTW Alumni Faculty, 2000, Consuls, 1993 – 1995, Grand Praetor, 1982 - 87.
Dean, Praetorial College, 1983 - 87.
Coordinator, Regional House Corp./Chapter Advisor Conference, Kansas City, MO,
December 13 - 14, 1987.
Member, Kansas City Alumni Chapter, 1986 - 1993.
Host Grand Praetor for Leadership Training Workshop, 1984.
Fund Drive Committee, New Chapter House, 1981.
Workshop Committee and Division Chairman, (Underclass & Locals) Leadership
Training Workshop, 1977 - 81.
Underclass Division Faculty, 1969 - 71, and 1973 - 76.
Workshop Lecturer, 1971, 1973 - 76, 1978 - 80, 1983 - 84.
KS Province Conference Lecturer, 1976, 1977, and 1980.
New York Province Conference Lecturer, 1977.
President, Manhattan/Delta Upsilon Alumni Chapter, 1974 - 78.
Chairman, New Addition Building Committee, 1974 - 76.
Life Loyal Sig Member 13476, May 7, 1974.
Organizer of Greek Sing & Children's Zoo Project, Manhattan, Kansas, 1967 - 72.

Rotary International

Manhattan Rotary Club, 1998 - Present.
Co-Chair, Classification Committee, 2001 – Present.
Co-Chair, Rotary Leadership Conference, 1999 – 2001.

Boy Scouts of America

Eagle Review Board, Pawnee District, July, 1993 – Present, Chrm. 2001 - Present
Merit Badge Counselor, 1984 - Present.
National Eagle Scout Association, 1984 - Present.
Pawnee District Committee, 1998.
Friends of Scouting Committee, Pawnee District, 1995 & 1996.
College of Commissioner Service, Course Director, Unit Analysis,
Ft. Leavenworth, KS, March, 1994 & 1995.
Assistant District Commissioner, Santa Fe Trail, May, 1993 - 1995.
Deputy District Commissioner - South, Santa Fe Trail, Nov. 1991 - Apr. 1993.
Santa Fe Trail District Explorer Committee, April, 1991 - April, 1993.
College Of Commissioner Service, BS, MS, & Ph.D. Degrees & Faculty
Member, Heart of America Council, Ft. Leavenworth, KS, March, 1992 - 95.
Assistant District Commissioner, Santa Fe Trail, Zone 6, May - Nov. 1991.

CIVIC

ACTIVITIES: (Continued)

Boy Scouts of America (Continued)

Unit Commissioner, Zone 6, February, 1991 - May, 1991.
Chaplain, Commissioner College, March, 1992.
Chaplain, OA Section Conclave, Camp Naish, October, 1991 & 1992.
Chaplain, SFT Camporee & Klondike, October, 1990/91 & February, 1991.
Pow Wow Session Presenter, Webelos to Scout Transition, Heart of America Council, November, 1990 & 1991.
Committee Chairman, Troop 86, May, 1990 - May, 1991.
Scoutmaster, Troop 86, Olathe, Kansas, April, 1987 - May, 1990.
Wood Badge Training Course, NC-390, June, 1989.
Philmont Scout Ranch, New Mexico, 1963 & 1988.
16th World Jamboree, Sydney, Australia, December, 1987.
Camp Scoutmaster, Camp Bartle, 2nd Session, 1987.
Asst. Camp Scoutmaster, Camp Bartle, 1983 - 1986.
Asst. Camp Scoutmaster, Camp Ben DelaTour CO, July, 1986.
National Jamboree, Ft. A.P. Hill, Virginia, July, 1985.
Assistant Scoutmaster and Patrol Dad Chairman, Troop 86, 1983 - 1987.
Scouting Coordinator, Black & Veatch Engineering Careers Explorer Post, 1982 - 89.
Scouter Training, May, 1984.
Co-Chair, Blue & Gold Banquet, Pack 3289, Spring Hill, Kansas, February, 1981-82.

Church & Other Civic Organizations

Carnegie Hall Planning Committee, KSU Concert Choir, 2002.
USD 383 Budget Advisory Council Member, 2000 - 2001.
Kansas State Rowing Association, Chairman, Title IX / NCAA Proposal Committee, 1994 - 1995.
Kansas State University Career Counselor's Night, 1983 - 2001.
Kansas Odyssey of the Mind, 1987 - 1999.
State Tournament Co-Director, 1996 - 1999.
KSU College of Engineering Collegiate OM Coach, 1995 - 1999.
Judge, State Competition, 1993 - 1995.
Head Judge, Regional Competition, 1994 - 1995.
Judge, Regional Competition, 1987 - 1994 & 1998.
Science Olympiad Event Sponsor, Regional Competition, Johnson County Community College, 1991 - 2002.
Academic Decathlon, Competition Judge, January 1999.
Spring Hill Recreation Association, 1979 - 1983.
Secretary, 1980 - 81; Director, 1979 - 1981.
Coach, 8 - 10 year old, 1981 - 1983.
All Star Coach, 1983.
Open Door Sunday School Classes, Olathe, Kansas UMC, 1979 - 1987.
Church Choir Member, 1963 - 65, 1972 - 78.
President and Vice President, Samaritan Sunday School Class, Asbury United Methodist Church, Prairie Village, Kansas, 1975 - 78.
Youth Coordinator and Sponsor, First United Methodist Church, Manhattan, Kansas, 1968 - 72.
President and Business Manager, Concert Choir, Kansas State University, 1967 - 70.
Debate Team, Kansas State University, 1966 - 67.

HONORS:

Sigma Chi Fraternity

The Order of Constantine, April 21, 1990.

Bill Carlisle Outstanding Workshop Faculty Member Award, August 9, 1982.

Grand Consul Citations: August 16, 1987, January 25, 1986, August 13, 1984, & August 18, 1975.

Arthur Peine Award, April, 1976.

Certificates of Appreciation: 1984 Workshop, November 10, 1984.

1980 Workshop BBQ, November 15, 1980.

Membership Recruiting Manual, August 14, 1978.

Inter-Fraternity Council Presidential Citation, Kansas State University, 1969.

Toastmasters International

Distinguished Toastmaster, No. 2013, July 2, 1984.

Able Toastmaster, June, 1982, November, 1983, and August, 1987.

Region III International Speech Contest Participant, 1980 and 1982.

District 22 Speech Contest Winner, 1980 and 1982.

District 22 Evaluation Contest Winner, 1981.

District 22 Club of the Year, 1982.

District 22 Certificate of Appreciation, October 19, 1985.

District 22 Certificate of Appreciation, October 20, 1984.

District 22 Certificate of Appreciation, June 30, 1984.

District 22 Certificate of Appreciation, May 14, 1983.

Boy Scouts of America

Exploring Service Team Key, August 28, 1992.

Wood Badge Beads, April 8, 1991.

Scouter's Key, February, 1990.

Twelve Month Camper Award, February, 1990.

Outstanding Scoutmaster, Santa Fe Trail District, Heart of America Council, 1989.

50 Miler Award, July, 1988.

Scouter's Training Award, June, 1987.

Order of the Arrow, Ordeal Member, September, 1986.

Tribe of Mic-O-Say, Honorary Warrior, July, 1986.

God and Country, 1965.

Eagle Scout, 1963.

Other Honors

Honorary Commandant of Cadets, Air Force ROTC Detachment 270,
Kansas State University, 1999.

Army ROTC Hall of Fame, Kansas State University, 1999.

Outstanding Adviser Nominee, Mortar Board Senior Honor Society, 1998 & 1999.

Best Moderator, College Industry Education Conference, 1996.

Best Session, College Industry Education Conference, 1996.

Administrator Service Award, KSU College of Engineering, 1995.

Key to the City of Kansas City, MO, February, 1985.

Outstanding Young Men of America, 1981.

Meritorious ANS Section Award, 1979.

Army Commendation Medal, U. S. Army, July, 1974.

Certificate of Achievement, CBR Agency, US Army Combat Developments
Command, Ft. McClellan, AL., 1973.

THOMAS C. ROBERTS, P.E.

tcr@ksu.edu

2015 Pierre Manhattan, KS 66502

(O) (785) 532-5455 (H) (785) 539-3188

Objective: A leadership role that provides an opportunity to have a significant impact on higher education.

Professional Experience

Assistant Dean, College of Engineering	Kansas State University	1993 - present
Management Consultant	Upward Consulting	1989 - present
Adjunct Faculty	University of Kansas Regents Center	1988 - 1993
Sales Manager	Kornfeld-Thorp Electric Co.	1990 - 1991
Director, Human Resources Development	Black & Veatch	1980 - 1990
Dept. Admin. Coordinator/Design Engineer	Black & Veatch	1974 - 1980
Project Officer	U.S. Army Chemical Corps	1972 - 1974

Professional Skills

Communications

- Implemented the use of creative problem-solving presentations for Engineering Ambassadors resulting in enhanced career awareness for thousands of high school students.
- Created new student handbook and new student orientation seminar series. Eight of nine departments developed or enhanced orientation programs.
- Formed the student directed KSU Powercat Masters Toastmasters Club. Directed Black & Veatch Toastmaster Club activities resulting in District 22 top club honors four of seven years from 1982 to 1989.
- Developed and implemented company-wide hazard communications program.
- Authored power plant licensing documents and design specifications. Prepared accident analyses and performed radiological & meteorological calculations related to worker/public safety.

Leadership

- Partnered in development & delivery of campus-wide department head leadership workshops.
- Member of campus-wide team that developed KSU Leadership Minor Program, with current enrollment of 800.
- Provided leadership to ten-person industrial/electrical equipment sales team with annual sales of \$4+M.
- Directed creation of employee development curriculum including technical & management education. Resulted in \$1.5M annual budget with 650 courses/projects, 6800 students, and 36,000 contact hours.

Marketing/Sales

- Serve as ASEE Vice President Membership Affairs.
- KSU College of Engineering student recruitment program recognized as "best practice" by the National Academy of Engineering. Program is a series of processes involving data base analyses, direct mail, special on/off campus events, visitation, evaluation, and continuous improvement.
- Participated in the improvement of several prospective student publications and the general catalog.
- Helped to significantly increase KSU engineering student participation in International Studies.
- Organized territories, implemented use of computer database, developed commission structure, and directed inside & outside sales, staff training, and performance.

Organization

- Created & updated learning modules for delivery to multiple sections of four different courses.
- Enhanced curriculum & improved campus-wide faculty participation in the Engineering & Science Summer Institute.
- Developed and implemented a reorganization plan and directed recruiting, training, and professional development of department staff during growth from 60 to 110 persons.
- Developed Black & Veatch's first *Careers Notebook* for career and employment centers and redirected summer hire and scholarship programs resulting in improved relations with engineering programs at eight universities.
- Created and taught *Organizational Issues & Project Delivery* courses for the Architectural Management Graduate Program and served on thesis committees. Assisted with the Engineering Management Graduate Program.

THOMAS C. ROBERTS, P.E.

tcr@ksu.edu

2015 Pierre Manhattan, KS 66502

(O) (785) 532-5455

(H) (785) 539-3188

Objective: A leadership role that provides an opportunity to have a significant impact on higher education.

Professional Experience

Assistant Dean, College of Engineering	Kansas State University	1993 - present
Management Consultant	Upward Consulting	1989 - present
Adjunct Faculty	University of Kansas Regents Center	1988 - 1993
Sales Manager	Kornfeld-Thorp Electric Co.	1990 - 1991
Director, Human Resources Development	Black & Veatch	1980 - 1990
Dept. Admin. Coordinator/Design Engineer	Black & Veatch	1974 - 1980
Project Officer	U.S. Army Chemical Corps	1972 - 1974

Professional Skills

Communications

- Implemented the use of creative problem-solving presentations for Engineering Ambassadors resulting in enhanced career awareness for thousands of high school students.
- Created new student handbook and new student orientation seminar series. Eight of nine departments developed or enhanced orientation programs.
- Formed the student directed KSU Powercat Masters Toastmasters Club. Directed Black & Veatch Toastmaster Club activities resulting in District 22 top club honors four of seven years from 1982 to 1989.
- Developed and implemented company-wide hazard communications program.
- Authored power plant licensing documents and design specifications. Prepared accident analyses and performed radiological & meteorological calculations related to worker/public safety.

Leadership

- Partnered in development & delivery of campus-wide department head leadership workshops.
- Member of campus-wide team that developed KSU Leadership Minor Program, with current enrollment of 800.
- Provided leadership to ten-person industrial/electrical equipment sales team with annual sales of \$4+M.
- Directed creation of employee development curriculum including technical & management education. Resulted in \$1.5M annual budget with 650 courses/projects, 6800 students, and 36,000 contact hours.

Marketing/Sales

- Serve as ASEE Vice President Membership Affairs.
- KSU College of Engineering student recruitment program recognized as "best practice" by the National Academy of Engineering. Program is a series of processes involving data base analyses, direct mail, special on/off campus events, visitation, evaluation, and continuous improvement.
- Participated in the improvement of several prospective student publications and the general catalog.
- Helped to significantly increase KSU engineering student participation in International Studies.
- Organized territories, implemented use of computer database, developed commission structure, and directed inside & outside sales, staff training, and performance.

Organization

- Created & updated learning modules for delivery to multiple sections of four different courses.
- Enhanced curriculum & improved campus-wide faculty participation in the Engineering & Science Summer Institute.
- Developed and implemented a reorganization plan and directed recruiting, training, and professional development of department staff during growth from 60 to 110 persons.
- Developed Black & Veatch's first *Careers Notebook* for career and employment centers and redirected summer hire and scholarship programs resulting in improved relations with engineering programs at eight universities.
- Created and taught *Organizational Issues & Project Delivery* courses for the Architectural Management Graduate Program and served on thesis committees. Assisted with the Engineering Management Graduate Program.

VITA
Publications and Partial Listing of Speaking Engagements

NAME: Thomas C. Roberts, P.E., CMC

PROFESSIONAL
PUBLICATIONS:

Roberts, T. C., "Province Conference Manual", 3rd Edition, Sigma Chi Fraternity, August 1998.

Roberts, T. C., and Ahreart, Thane A., "New Student Orientation: A Student Council/Dean's Office Partnership at the College of Engineering at Kansas State University", ASEE Mid-West Section Conference, Salina, KS, April 8-10, 1998.

Roberts, T. C., and Roberts, Karen L., "Managing Change in a Design Office", Team Building Skills for the Architectural Firm, University of Kansas Architectural Management Program, Overland Park, KS, January 23, 1998.

Roberts, T. C., "TQM, CQI, Alphabet Soup!", Conference of Lions Foundations, Kansas City, MO, March 8-10, 1996.

Roberts, T. C., and Kiesner, Fred, "Entrepreneurship: Survival Skills For the Future!", Continuing Professional Development Division Workshop, Conference on Industry and Education Collaboration (CIEC), ASEE, San Jose, CA, January 25, 1996.

Roberts, T. C.; Hoag, Kevin L., Cummins Engine; Albin, Pam, 3M Company; Morrison, Ray, Lockheed; Pedler, Bill, Hughes Aircraft; and Jackson, Mike, University of Texas-Austin, "Jumping on the Training Bandwagon", Continuing Professional Development Division Workshop, CIEC, ASEE, New Orleans, LA, January 1995.

Roberts, T. C., "Engineering Leadership: Vision for the Future, April 1995.

Roberts, T. C., "Teams: Techniques & Transitions", (Part 2) Team Building Skills for the Architectural Firm, University of Kansas Architectural Management Program, Overland Park, KS, November 1994.

Roberts, T. C., "Teams: Tigers, Tales, & Transitions", (Part 1) Team Building Skills for the Architectural Firm, University of Kansas Architectural Management Program, Overland Park, KS, March 1994.

PROFESSIONAL
PUBLICATION:
(continued)

Roberts, T. C., and Rhoads, Jack, "Ambulatory Care Process Improvement" for Truman Medical Center – East, Kansas City, MO, 1993.

Roberts, T. C. and Dr. McCahon, Cynthia, "SPC Part 1: Basic Topics, A Process of Continuous Quality Improvement", Statistical Process Control Workshop, Manhattan, KS, September 14–15, 1993.

Roberts, T. C., Diller, Ken, and Jackson, Mike, "TQM: Beyond the Concepts", ASEE Continuing Professional Development Division Special Interest Group – Leadership Training & Development, ASEE Annual Meeting, Champaign Urbana, IL, June 20, 1993.

Roberts, T. C., "Developing & Using Training Evaluation Measurement Systems", CIEC Workshop, January 23, 1993.

Roberts, T. C., "Benchmarking: Identifying, Analyzing and Adopting Best Practices", Johnson County Community College Business and Industry Institute, Overland Park, KS, 1993.

Roberts, T. C., "Total Quality Management (TQM)", AMCEE In-Service Workshop, Santa Fe, NM, October 1992.

Roberts, T. C., "Introduction to Total Quality Management", Johnson County Community College Business and Industry Institute, Overland Park, KS, 1992.

Roberts, T. C. "Team Decision Making", Johnson County Community College Business and Industry Institute, Overland Park, KS, 1992.

Roberts, T. C. "Managing Effective Quality Improvement Teams", Johnson County Community College Business and Industry Institute, Overland Park, KS, 1992.

Roberts, T. C., "Human Resources Development", presented at Meet the Experts Session, College and Industry Education Conference (CIEC), ASEE, February 8, 1990.

Roberts, T. C., and Simmonds, G., "Professional Careers in Engineering and Engineering Technology", Mid-America Engineering Guidance Council, March, 1988.

Roberts, T. C., "Province Conference Manual", 2nd Edition, Sigma Chi Fraternity, 1987.

PROFESSIONAL
PUBLICATIONS:
(continued)

Roberts, T. C., "Toastmasters: An Effective / Inexpensive Professional Development Tool", presented at the ASEE Midwest Section 22nd Annual meeting, Salina, KS, March 11-13, 1987.

Roberts, T. C., et al., "New Employee Orientation", Black & Veatch Engineers-Architects, videotape for Kansas City and Regional Offices, 1987. Roberts, T. C., et al., "Employee Benefits Orientation", Black & Veatch Engineers-Architects, video tape for Kansas City, MO, and Regional Offices, 1987.

Roberts, T. C., et al., "Engineering Futures, the 80's, 90's, and Beyond", Mid-America Engineering Guidance Council, Videotape Production, 1987.

Roberts, T. C., et al., "So You Want to be an Engineer?", Mid-America Engineering Guidance Council, Videotape Production, 1985.

Roberts, T. C., and Boston, P.G., "Guide to Written Communications", Black & Veatch, 1983. Revised, Overland Park, KS, 1986.

Roberts, T. C., "Black & Veatch Careers Notebook", Black & Veatch Consulting Engineers, Overland Park, KS, 1981.

Roberts, T. C., and Drbal, L.F., "The Energy Symposium: A Means of Educating Secondary Education Teachers," presented at the ANS Summer Meeting, Vol. 28, TANSO 28 1-804 (1978), ISSN: 0003-018X, San Diego, CA.

Roberts, T. C., "A Guide to Membership Recruiting", 2nd Edition, Sigma Chi Fraternity, 1978.

Roberts, T. C., McCarthy, Steve, and Smith, Tom, "You'll Find It Here," Sigma Chi Fraternity, Rush Brochure, 1976.

Roberts, T. C., and Singer, R., "Land Use Requirements for Five Energy Alternatives," American Nuclear Society Public Information Paper, March 29, 1976.

Roberts, T. C., Jr., Eckhoff, N.D., Clack, R.W., and Roberts, T. C., Sr., "Feasibility and Market Potential of Protein Determination of Wheat Using Californium-252". International Symposium on ²⁵²Cf Utilization; Paris, France, April 26-28, 1976.

Roberts, T. C., Jr., and Eckhoff, N.D., "Feasibility of Protein Determination of Wheat by Capture of Gamma-Ray Analysis", Feedstuffs, Vol. 45, No. 18, Page 30, April 1973.

Roberts, T. C., Jr. and Eckhoff, N.D. "Feasibility of Protein Determination of Wheat by Capture Gamma-Ray Analysis", Agricultural Experiment Station, Kansas State University, 1973.

PROFESSIONAL
PUBLICATIONS:
(continued)

Roberts, T. C., "An Evaluation of the KSU Multi-Milligram 252CF Facility", Master's Thesis, Department of Nuclear Engineering, Kansas State University, Manhattan, KS, 1972.

Roberts, T. C., and Walker, Rod, "Come Brothers, Sing," Stereo Record Production, Sigma Chi Fraternity, 1971.

Roberts, T. C., "Design, Construction, and Testing of a Californium-252 Facility," Annual Midwest ANS Student Conference, Kansas State University, Manhattan, KS, May 1, 1971.

Roberts, T. C., "Effects of Radiation on Wheat Germination," Presented and placed fourth in the Division, 1969 American Nuclear Society Student Conference for the Western States, April 25-26, Albuquerque, NM.

Roberts, T. C., Jr., McDonald, G., Lehman, E., Eckhoff, N.D., Vanderlip, R., Wilkins, H.D., and Clack, R.W., "Effects of Radiation of Wheat Germination" Transactions of the Kansas Academy of Science, Vol. 73, No. 1, 1970. Roberts, T. C., and Clack, R.W., "Quarterly Report", Californium-252 Progress, Numbers 7-11, April 1971-April 1972.

SPEAKING
ENGAGEMENTS:

Roberts, T. C., "Professional Ethics", Management Consulting: A Workshop for Professionals, Kansas City, MO, for the Institute of Management Consultants, New York, NY, December 1997.

Roberts, T. C., Graf, Harlan G., Conoco, Inc.; Onderick, Michael R., John Zink Co; and Thompson, Ron, McDonnell-Douglas Missile Systems, "What Industry Looks for in Engineering and Engineering Technology Graduates", ASEE Midwest Section Conference, Tulsa, OK, April 10-12, 1996.

Roberts, T. C., Feyerharm, Bill, KSU, Hansan, Shah, KSU, Danos, John, KSU, "Academic Partnerships: Focusing Dean's & Residence Hall Staff Processes on Student Success" presentation for Kansas Student Personnel Conference, Manhattan, KS, October 6, 1995.

1989 - More than 15 presentations to a total of 1,200 people, including:

Kansas State University Engineering Career Night, Overland Park, KS, February 15.

Eagle Court of Honor, Gladstone, MO, April 30.

Power Masters Toastmasters 10th Anniversary, Overland Park, KS, July 13.

Santa Fe Trail District Roundtable, Overland Park, KS, November 2.

SPEAKING
ENGAGEMENTS:
(continued)

1988 - More than 11 presentations to a total of 1,100 people, including:

Kansas State University Engineering Career Night, Overland Park, Kansas, February 24.

KSU Honors Class, Manhattan, Kansas, April 12.

University of Kansas Organizational Development Class (ARCH 774), June - July.

1987 - More than 15 presentations to a total of 2,000 people, including:

Long Range Planning Committee on Education, Kansas State Legislature, Topeka, Kansas, July 15.

Eagle Court of Honor, Olathe, Kansas, May 17.

Kansas State University Engineering Career Night, Overland Park, Kansas, April 14.

American Association of Cereal Chemists, "Future Trends in Management Development," Manhattan, Kansas, April 3.

1986 - More than 10 presentations to a total of 900 people, including:

Institute of Electrical and Electronics Engineers, "The Legislative Process", Kansas City, Missouri, September.

"Engineering Careers", Spring Hill High School, Spring Hill, Kansas, April.

1985 - More than 15 presentations to a total of 900 people including:

National Association of Accountants, "Conflict Resolution Seminar", Kansas City, Missouri, May 21.

Kansas City Energy Exposition, "Facts on Nuclear Power", Kansas City, Missouri, April 13.

1984 - More than 20 presentations to a total of 3,000 people, including:

Leadership Training Workshop, Core Lecture, "The Making of a Sigma Chi," Manhattan, Kansas, August 11.

District 22 Toastmasters Fall Conference, "Meeting Madness", Springfield, Missouri, October 20.

SPEAKING
ENGAGEMENTS:
(continued)

Women and Minorities in Engineering Seminar, "Careers in Consulting Engineering", Kansas City, Missouri, March 9.

1983 - More than 15 presentations to a total of 2,000 people, including:

Annual Joint meeting, American Association of Cereal Chemists and Association of Operating Millers, "Being the Leader Doesn't Make You One!", August 19.

Phi Theta Kappa National Convention, "Engineering Futures - The 80's and Beyond", Kansas City, Missouri, March 29.

Rebecca Davis

From: "Rebecca Davis" <Rebecca@tbp.org>
To: "Clint Williams" <nightcw@yahoo.com>
Sent: Monday, October 07, 2002 1:11 PM
Subject: Thomas Roberts

Thomas Roberts is eligible for election under Sect 6(a).

Please make sure that you send the Report of Eligibility and Election. Dr. Hayter needs to sign both forms.

THIS IS NOT YOUR INITIATION APPROVAL. It is your Eligibility Acknowledgement only.

Please feel free to contact me if you have any questions.

Sincerely,

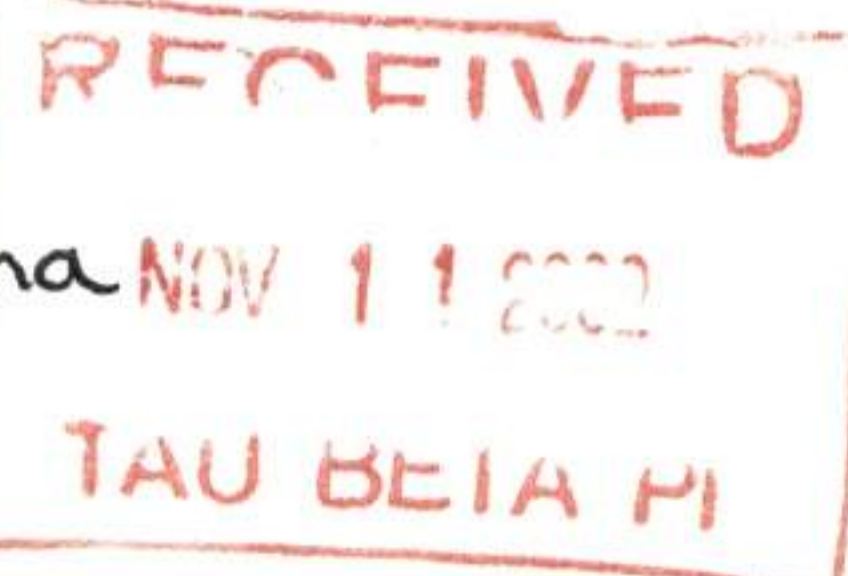
Rebecca M. Davis
Collegiate Chapter Assistant
The Tau Beta Pi Association
865/546-4578
FAX: 865/546-4579
WEB: www.tbp.org

10/7/2002

HS Gamma
Fall 2002
Eligibility
Sec 6

Curriculum Vita

Narayana



Lakshmi N. Reddi, PhD, PE
Professor and Head, Department of Civil Engineering
Kansas State University
Manhattan, KS 66506

Tel. (785) 532-1586; Fax. (785) 532-7717; E-mail. reddi@ksu.edu

Education

Doctor of Philosophy

Civil Engineering, Ohio State University, Columbus, OH 1988

Major: Geotechnical Engineering; Advisor: T.H. Wu

Dissertation Title: Probabilistic Analysis of Groundwater Levels in Hillside Slopes

Master of Science

Civil Engineering, Ohio State University, Columbus, OH 1984

Major: Geotechnical Engineering; Advisor: T.H. Wu

Thesis Title: Effect of Vegetation on Shear Strength of Soil

Bachelor of Technology

Civil Engineering, J.N.T. University, A.P., India (with Distinction) 1982

Project Title: Design of Hotel Vaghira, A Multi-Storeyed Framed Structure; Advisor: K. Surayya.

Professional Engineer since 1993 (Kansas License No. 12950)

Honors and Awards

- K-State College of Engineering Research Excellence Award, 2002
- Nominated for Myers-Alford Memorial Teaching Award, Kansas State University, 1999
- Nominated for James L. Hollis Award for Excellence in Undergraduate Teaching for the years 1992, 1993, 1994, 1996, and 1997
- Chi Epsilon Excellence in Teaching Award, 1993 and 1997; Central District Winner of the Chi Epsilon Excellence in Teaching Award, 1994, 1998; Nominated for the James M. Robbins Excellence in Teaching Award (National Award of Chi Epsilon), 1994, 1998
- Listed in the Outstanding Young Men of America, 1990
- Awarded National Merit Scholarship by the Government of India for seven consecutive academic years for general academic excellence (1975-'82)

Academic Experience

July '00 – Present:	Department Head
July '99 – Present:	Professor
July '95 – June '99:	Associate Professor
June '92 – June '95:	Assistant Professor,
	Department of Civil Engineering, Kansas State University, Manhattan, KS.

Teaching assignments are at both graduate and undergraduate level and are in the areas of geotechnical engineering, foundation design, environmental geotechnology, and seepage in porous media. Research projects include:

- Pore-scale flow in soils under microgravity
- Development of soil filter criteria incorporating physicochemical and biological mechanisms
- Surface cover designs for landfills
- Soil clogging and its influence on drainage in civil infrastructure systems
- Performance of animal waste lagoon liners
- Vibratory phase separation of immiscible contaminants in soils
- Fate and transport of discontinuous NAPLs
- Ultrasonic enhancement of flow in clayey sands
- Colloidal particle mobilization in porous media
- Interfacial phenomena in fine-grained soils
- Waste utilization in civil engineering applications

Number of M.S. students graduated under my supervision with theses: 16

Number of Ph.D. students graduated under my supervision: 7

July, '89 - May, '92: Assistant Professor,
Department of Civil, Environmental and Coastal Engineering,
Stevens Institute of Technology, Hoboken, New Jersey

Teaching assignments were at both graduate and undergraduate level and are in the areas of geotechnical engineering, foundation design, environmental geotechnology, advanced soil mechanics, and finite element methods.

Consulting and Industrial Experience

July, '89 - Present: Consulting projects in the areas of geotechnical engineering and environmental geotechnology:

- *Alternative uses for innovative materials*, for Strategic Innovations International, Inc., 544 W. Eighth St., Plainfield, NJ 07060
- *Analysis of Natural Gas Explosions in Hutchinson, Kansas*, for Armstrong Teasdale LLP
- *Use of fly ash for Holcomb landfill surface covers and liners*, Sunflower Electric Power Corporation, 2025.75 W. St. John St., Garden City, Kansas 67846
- *Foundation studies with Dr. Samer Ezeldin as the co-consultant*, Robert Couch Associates, 201 Old York Road, Jenkintown, PA 19046
- *Groundwater Monitoring and Site Remediation Investigations*, for S & S Environmental Sciences, Inc., 98 Sand Park Rd., Cedar Grove, NJ 07009
- *Slope Stability Investigations on a Residential Neighborhood with Mr. Wayne Williams as the co-consultant*, for Prohaska Homes, Inc., Shawnee Mission, KS 66225 - 5774

June, '88 - June, '89: Hydrogeologist/Geotechnical Engineer, Ardaman & Associates, Inc., Orlando, Florida. Project assignments were:

- *Groundwater monitoring plan for land application systems* (Supervisor: Mr. Francis Cheung);
- *Hydrogeological surveys and geotechnical services for landfills* (Supervisor: Dr. John Garlanger);
- *Hydrological analyses for streams and rivers* (Supervisors: Mr. Herb Stangland and Dr. John Garlanger).

March, '87 - May, '88: Research Intern, Environmental Technology and Assessment Section, Battelle Memorial Institute, Columbus, OH. Project assignments were:

- *Modeling three-dimensional Coupled Flow Energy and Solute Transport (Code name: CFEST)* under the supervision of Dr. Sumant Gupta.
- *Simulation of brine migration in the nuclear repository sites of Texas* under the supervision of Dr. Sumant Gupta.
- *Evaluation of solvent transport in the subsurface at the Miami Valley Well Field in Dayton, OH*, under the supervision of Dr. Tom Naymik.

Institutional Service

Kansas State University

- Faculty Senator (2000 – Present)
- Associate Director, Great Plains/Rocky Mountains Hazardous Substance Research Center (1998 – Present)
- Faculty Grievance Board (1997 - 1999)
- Chair, College of Engineering Graduate Committee (1997 - Present)
- Chair, Engineering Research Excellence Award Committee (1998 – 1999)
- Member, Engineering Research Excellence Award Committee (1996 - 1999)
- Member, College of Engineering International Programs Committee (1994-1995)
- Graduate Program Director, Department of Civil Engineering (1995 - 1998)
- Member, Graduate Study Committee, Department of Civil Engineering (1993-Present)
- Chair, Department Publicity Committee (1994-1995)
- Chair, Faculty Activity Form Assessment Committee (1994-1995)
- Member, Equipment Needs Committee (1994-1995)

- Chair/member, Faculty Search Committees, four in the Department of Civil Engineering, and one in the Department of Geology

Stevens Institute of Technology

- Departmental Representative, Undergraduate Curriculum Committee (1990 - 1992)
- Graduate Study Committee (1990 - 1992)
- Coordinator of ECOES program (Exploring Career Options in Engineering and Science) for women in civil engineering, sponsored by the National Science Foundation, 1990, 1991

Professional Service

Editorial Board Membership

- Editorial Board Member (EBM), *Journal of Geotechnical and Geoenvironmental Engineering*, American Society of Civil Engineers, USA
- Editorial Board Member, *Journal of Hazardous Materials*, Elsevier Science, The Netherlands
- Associate Editor, *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, American Society of Civil Engineers, USA, ('98 – '00)
- Associate Editor, *Journal of Hazardous Substance Research*, an electronic journal published by the Great Plains/Rocky Mountain Hazardous Substance Research Center.

Participation in Professional Societies

- Member, American Society of Civil Engineers (ASCE)
- Member, American Society for Testing and Materials (ASTM)
- Member, Committee A2K06, Transportation Research Board
- Member, American Geophysical Union (AGU)
- Member, Indian Geotechnical Society
- Member, International Society of Soil Mechanics and Foundation Engineering
- Chair, Task Committee on Animal Waste Containment in Lagoons, EWRI (formerly Environmental Engineering Division), ASCE
- Ex-Chair and Current Control Group Member, Groundwater Quality Committee, EWRI (formerly Environmental Engineering Division), ASCE
- Member, ASCE Task Committee on Contaminated Groundwater Modeling

- Member, Geotechnical Safety and Reliability Committee, Geo-Institute (formerly Geotechnical Engineering Division), ASCE
- Member, Environmental Geotechnics Committee, Geo-Institute (formerly Geotechnical Engineering Division), ASCE

Participation in a Leadership Role in Local, National, and International Conferences

- Chair, Symposium on *Filtration and Drainage in Geotechnical/Geoenvironmental Engineering*, Sessions of Geo-Congress '98, an International Conference held in Boston, Massachusetts, October 1998.
- Member, International Organizing Committee of the Fourth International Symposium on Environmental Geotechnology and Global Sustainable Development, Boston, Massachusetts, August 1998.
- Chair, ASCE Specialty Conference, *Non-Aqueous Phase Liquids (NAPLs) in Subsurface Environment: Assessment and Remediation*, Washington, D.C., November 1996.
- Co-Chair, ASCE Specialty Conference, *In Situ Remediation of the Geoenvironment*, Minneapolis, October 1997.
- Member, Organizing Committee of the ASCE Specialty Conference, *Geoenvironment 2000*, February 1995.
- Organized a workshop on *Reactive Barriers* at the 1999 Conference on Hazardous Waste Research, St. Louis, Missouri, May 1999.
- Member, Organizing Committee, Advanced Manufacturing Institute Conference, 1993.
- Chaired/moderated several technical sessions at both national and international conferences (primarily those of the ASCE) and regional conferences (GP/RM Hazardous Substance Research Center)

Technical Paper, Proposal, and Project Review

- Reviewed technical papers/books for several journals and periodicals including:
 - ASCE Journals (Geotechnical & Geoenvironmental, Environmental, Irrigation and Drainage, HTRWM Practice Periodical),
 - Journal of Hazardous Materials,
 - Soil Science Society of America Journal,
 - Journal of Soil Contamination,
 - Separation Science and Technology, an interdisciplinary journal of methods and underlying processes,
 - Water Resources Bulletin,
 - Advances in Environmental Research,
 - Applied Mechanics Reviews, and
 - Nature
- Proposal Reviewer and Panel Member (1996 & 1997), National Science Foundation
- Reviewed proposals for Department of Defense, Environmental Protection Agency, Department of Energy, and two local centers and institutes

- Project Reviewer, Institute for Regulatory Science and US Department of Energy
- Member, Technical Advisory Committee (TAC) of the EPA EPSCoR program for the State of Kansas, '96-'97
- Member, Solid Waste Management Committee, Riley County, Kansas
- Participated in Kansas Senate and House Committee Hearings on containment of animal waste and on the impact of hog farming on groundwater quality

Research Funding

Flow and Distribution of Fluid Phases Through Porous Plant Growth Media in Microgravity. Principal Investigator. NASA Johnson Space Center. \$299,369.

Community Outreach and Assistance – Links to TOSC, TOSNAC, and TAB. Midwest Hazardous Substance Research Center, Purdue University. \$250,000.

Engineering Overview of a Road Recycling Machine for Portland Cement Concrete Pavement. Principal Investigator. Kansas Department of Transportation. \$32,600.

Holcomb Landfill Revegetation, Liner Design, Construction, and Leachate Study. Principal Investigator. Sunflower Electric Power Corporation. \$65,000.

Acquisition of Low-Vacuum Scanning Electron Microscope for Biological, Physical, Chemical, and Engineering Research and Training. Co-Principal Investigator (with S. Ramaswamy, George Clark, and Rob Denell). National Science Foundation (MRI Program). \$176,190.

Evaluation of lagoons for containment of waste in Western Kansas. Co-Investigator (with J. Ham and C.W. Rice). 1999-2000. Kansas Water Office. \$70,000.

Modeling animal waste transport through compacted clay liners. 1998-1999. Kansas Center for Agricultural Resources and Environment (KCARE). \$43,000.

U.S.-Korea Cooperative Research: Impact of particle transport in soils on filter performance. Principal Investigator. 1998-2001. National Science Foundation. \$30,057.

Development of soil filter design nomograms incorporating physicochemical and biological mechanisms. Principal Investigator (with L.A. Glasgow and G. Marchin as Co-Is). 1997-1998. National Science Foundation. Supplemental Equipment Funding. \$21,285.

Development of soil filter design nomograms incorporating physicochemical and biological mechanisms. Principal Investigator (with L.A. Glasgow and G. Marchin as Co-Is). 1997-2000. National Science Foundation. \$285,387.

A physicochemical and biological approach to soil filter clogging prevention in infrastructure systems. Principal Investigator (with L.A. Glasgow and G. Marchin as Co-Is). 1997-1998. Kansas Science and Technology Advanced Research (K-STAR) and National Science Foundation. \$21,848.

Containment barriers for agricultural waste. Principal Investigator. 1997-1999. Agricultural Experiment Station, Kansas State University. \$39,000.

- Impact of colloid-associated transport of pesticides on groundwater quality. Principal Investigator. 1993-1997. Agricultural Experiment Station, Kansas State University. \$80,000.
- Evaluation of lagoons for containment of waste in Western Kansas. Co-Investigator (with J. Ham and C.W. Rice). 1998-1999. Kansas Water Office. \$100,000.
- Evaluation of lagoons for containment of waste in Western Kansas. Co-Investigator (with A.P. Schwab, J. Ham, and M.K. Banks). 1997-1998. Kansas Department of Health and Environment. \$100,000.
- Virtual Library: Transferring HSRC Research Results Through the Internet. Co-Investigator (with L. Erickson). 1996-1997. EPA Great Plains/Rocky Mountain Hazardous Substance Research Center. \$37,200.
- Boeing Cooperative Environmental Technology Transfer. Principal Investigator (with S. Grant). 1996-1997. EPA Great Plains/Rocky Mountain Hazardous Substance Research Center. \$29,430.
- Bioremediation of hazardous organic contaminants at textural interfaces in the subsoil. Co-Investigator (with M.K. Banks, C. Rice, and G. Kluitenberg). 1995-1997. Environmental Protection Agency (EPSCoR). \$200,000.
- The use of Poplar trees in remediating heavy metal contaminated sites. Co-Investigator (with Gary Pierzynski, Larry Erickson, and Larry Davis). 1992-1995. Great Plains/Rocky Mountain Hazardous Substance Research Center. \$150,000.
- Utilization and potential commercialization of waste generated in manufacturing industries of Kansas. Principal Investigator (with L.T. Fan and S.T. Chou). 1994-1996. Advanced Manufacturing Institute, Kansas State University. \$32,906.
- Modification of medical syringe as a permeability-measurement device. Principal Investigator. 1995-1996. Advanced Manufacturing Institute, Kansas State University. \$35,000.
- Vibratory phase separation of immiscible contaminants in soils. Principal Investigator. 1992-1995. Research Initiation Award. National Science Foundation. \$88,183.
- Engineering Research Equipment Grant: Full-Scale facility for the experimental investigation of attenuation characteristics of Soils. Principal Investigator. 1992-1993. National Science Foundation. \$33,000.
- Development of a prototype accident mapping computer program for Kansas. Co-Investigator (with R.W. Stokes). 1992-1993. Kansas Department of Transportation. \$63,578.
- Feasibility of ultrasonic enhancement of in-situ remediation techniques. Co-Investigator (with A. Hadim). 1992-1994. NSF Hazardous Substance Management Research Center, New Jersey Institute of Technology. \$102,020.
- A study of the efficiency of vibroflotation in in-situ phase separation of immiscible contaminants. Co-Investigator (with G.P. Korfiatis). 1990-1991. EPA Northeast Hazardous Substance Research Center. \$57,640.

Other Awards with Minor Roles

Faculty Development Award – Travel to Sydney, Australia, for research presentations/discussions at the University of Wollongong, 1999. Kansas State University. \$500.

Faculty Development Award – Travel to Louvain-la-Neuve, Belgium, for paper presentation at the Biot Poromechanics Conference, September 1998. Kansas State University. \$618.

Faculty Development Award - Travel to Cardiff, Wales, for paper presentation at the Geoenvironmental Conference of the British Geotechnical Society, September 1997. Kansas State University. \$2,500.

Faculty Development Award - Travel to Osaka, Japan, for paper presentation at the Second International Congress on Environmental Geotechnics, and to Seoul, Korea, to develop a cooperative research program with Korea University, November 1996. Kansas State University. \$4,482.

A Planning Visit to Seoul, Korea, for Cooperative Research: Impact of Particle Transport in Soils on Filter Performance. Principal Investigator. National Science Foundation (International Programs Division). \$3,800. November 1996.

Faculty Development Award - Travel to Indian Institute of Science, Bangalore, and to attend International Conference on Soil Mechanics and Foundation Engineering, New Delhi, India, January 1994. Kansas State University. \$2,680.

Technical Outreach Services for Communities (TOSC) Program, FY 2000. Administrative role with L. Erickson as the PI. Environmental Protection Agency. \$325,000.

Special Group Incentive Research Awards Program: Environmental Air Quality. Administrative role with L. Erickson and M. Hosni as the PIs. 1999-2001. Kansas State University Foundation. \$261,439.

Beneficial effects of vegetation in pollution prevention and remediation of contaminated soil and water. Cooperator (with M.K. Banks, L.C. Davis, R.S. Govindaraju, G. M. Pierzynski, A.P. Schwab, and A.L. Youngman). 1995-1997. Environmental Protection Agency (EPSCoR). \$200,000.

Publication Record

Books, Edited Works, and Chapters

Seepage in Soils: Principles and Applications, John Wiley & Sons, Inc., Publication Date: September 2002.

Geoenvironmental Engineering: Principles and Applications, Marcel Dekker, Inc., 2000 (Principal author, with Hilary Inyang as co-author), 506 pages, ISBN: 0-8247-0045-7.

Chapter 4: *Classification Criteria*, in *Quality of Ground Water: Guidelines for Selection and Application of Frequently Used Models*, ASCE Manuals and Reports on Engineering Practice No. 85, American Society of Civil Engineers, 1996, 194 pages.

Editor, *"Non-Aqueous Phase Liquids (NAPLs) in the Subsurface Environment: Assessment and Remediation,"* Proceedings containing refereed papers presented at the ASCE National Convention, Washington D.C., November 12-14, 1996, 855 pages.

Co-editor, *"Engineered Contaminated Soils and Interaction of Soil Geomembranes,"* ASCE Geotechnical Special Publication No. 59, American Society of Civil Engineers, 1996, (other editors: J.N. Meegoda and L.E. Vallejo), 133 pages.

Theme Editor, *"Reactive Barriers,"* Journal of Hazardous Materials, Vol. 68/1-2, 1999, 153 pages.

Co-editor, *Filtration and Drainage in Geotechnical/Geoenvironmental Engineering,* ASCE Geotechnical Special Publication No. 78, American Society of Civil Engineers, 1998, (with Bonala, M.V.S.), 207 pages.

Editor, *Animal Waste Containment in Lagoons,* ASCE Monograph, In review. Authored/Co-authored Chapters 3 and 4 in this monograph:

Chapter 3: *"Seepage and Transport through Anaerobic Lagoon Liners,"* by Lakshmi N. Reddi, H. Davalos, and M.V.S. Bonala

Chapter 4: *"Clogging of Animal Waste Lagoon Liners – An Overview,"* by Mohan V.S. Bonala, and Lakshmi N. Reddi

Papers In Press, Tentatively Accepted, or Currently Under Peer-review Process

Lee, I.M., Y.J. Park, and L.N. Reddi, "Particle Transport Characteristics and Filtration of Granitic Residual Soils from Korean Peninsula," *Canadian Geotechnical Journal*, In press.

Hajra, M.G., L.N. Reddi, L.A. Glasgow, and X. Ming, "Effects of Ionic Strength on Fine Particle Clogging of Soil Filters," *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, In press.

Lee, I.M., J.H. Kim, and L.N. Reddi, "Clogging Phenomena of the Residual Soil-Geotextile Filter System," *ASTM Geotechnical Testing Journal*, In press.

Lakshmi N. Reddi, and S.P. Kakuturu, "Self-healing of Concentrated Leaks at Core-Filter Interfaces in Earth Dams," *ASTM Geotechnical Testing Journal*, In review.

I.M. Lee, H.J. Lee, J.Y. Cheon, and Lakshmi N. Reddi, "Evaporation Theory for Deformable Soils," *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, In review.

Published Peer-reviewed Papers

Lee, I.M., K.J. Hyun, and L.N. Reddi, "Experimental Study of Permeability Reduction in Soil-Geotextile Filter System: Anisotropic Characteristics," *Journal of the Korean Society of Civil Engineers*, 20(3C):229-242, 2001.

Lee, I.M., S.S. Choi, and L.N. Reddi, "Permeability Reduction of Soil Filters due to Physical Clogging," *Journal of the Korean Society of Geotechnical Engineers*, 17(1):15-24, February 2001.

- Starrett, S.K., O. Itani, H. Davalos, Y. Najjar, and L.N. Reddi, "Locating Waste Management System Sites Using GIS Technology," *Elec. J. of Geotech. Engrg.*, <http://geotech.civen.okstate.edu/ejge/Ppr0114/>, 2001.
- Lee, I.M., J.H. Kim, and L.N. Reddi, "Permeability Reduction Model of Soil-Geotextile System Induced by Clogging," *Journal of the Korean Society of Geotechnical Engineers*, 16(4):107-116, August 2000.
- Ming, X., and L.N. Reddi, "Comparison of Fine Particle Clogging in Soil and Geotextile Filters," ASCE Geotechnical Special Publication No. 103, *Advances in Transportation and Geoenvironmental Systems Using Geosynthetics*, pp. 176-185, 2000.
- Hajra, M.G., L.N. Reddi, G.L. Marchin, and J. Mutyala, "Biological Clogging in Porous Media," ASCE Geotechnical Special Publication No. 105, *Environmental Geotechnics*, pp. 151-165, 2000.
- Bonala, M.V.S., and L.N. Reddi, "Ammonium Transport Through Lagoon Liners – Modeling Studies," ASCE Geotechnical Special Publication No. 105, *Environmental Geotechnics*, pp. 105 – 120, 2000.
- Lakshmi N. Reddi, X. Ming, M.G. Hajra, and I.M. Lee, "Permeability Reduction of Soil Filters due to Physical Clogging," *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, Vol. 126, No. 3, 2000, pp. 236-246.
- Lakshmi N. Reddi, and H. Davalos, "Animal Waste Containment in Anaerobic Lagoos Lined with Compacted Clays," *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, Vol. 126, No. 3, 2000, pp. 257-264.
- Lakshmi N. Reddi, Lee, I.M., and Bonala, M.V.S., "Comparison of Internal and Surface Erosion using Flow Pump Tests on a Sand-Kaolinite Mixture," *ASTM Geotechnical Testing Journal*, Vol. 23, No. 1, March 2000, pp. 116-122.
- Bonala, M.V.S., L.N. Reddi, and H. Davalos, "Scrape-and-Replace Lagoon Liner Technique to Minimize Ammonium Transport from Animal Waste Lagoons," *ASCE Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, Vol. 4, No. 2, 2000, pp. 60-64.
- Lakshmi N. Reddi, and Bonala, M.V.S., "Fractal Representation of Soil Cohesion," a technical note in *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, 125(10):901-904, 1999.
- Kyle G., Banks M.K., and L.N. Reddi, "Transport and Biodegradation of Petroleum Hydrocarbons at Subsurface Sand/Clay Interfaces," *Journal of Environmental Science and Health*, A34(1):1-29, 1999.
- Bonala, M.V.S., and L.N. Reddi, "Physicochemical and Biological Mechanisms of Soil Clogging: An Overview," *ASCE Geotechnical Special Publication No. 78*, pp. 43-68, 1998.
- Lakshmi N. Reddi, Menon S., and Pant A., "Pore-Scale Investigations on Vibratory Mobilization of LNAPL Ganglia," *Journal of Hazardous Materials*, Vol. 62, No. 3, pp. 211-230, 1998.
- Lakshmi N. Reddi, Han W., and M.K. Banks, "Mass Loss from LNAPL Pools Under Fluctuating Water Table Conditions," *ASCE Journal of Environmental Engineering*, Vol. 124, No. 12, 1998.

- Lakshmi N. Reddi, and J. Nichols, "Bench-Scale Investigation on Vibrorecovery of NAPL Ganglia from Sands," a technical note in the *ASCE Journal of Environmental Engineering*, 124(9), 1998, pp. 897-901.
- Lakshmi N. Reddi, Discussion of "Analytical Model of Particle Migration Within Base Soil-Filter System," *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, 124(10), 1998, pp. 1045-1046.
- Lakshmi N. Reddi, and M.V.S. Bonala, "Analytical Solution for Fine Particle Accumulation in Soil Filters," *ASCE Journal of Geotechnical and Geoenvironmental Engineering*, 123(12):1143-1152, 1997.
- Lakshmi N. Reddi, and M.V.S. Bonala, "Impact of Pore Fluid Composition Changes on Soil Filter Clogging," *ASCE Geotechnical Special Publication*, No. 71, pp. 433-448, 1997.
- Lakshmi N. Reddi, and R. Poduri, "Use of Liquid Limit State to Generalize Water Retention Properties of Fine-Grained Soils," a technical note in *Geotechnique*, 47(5):1043-1049, 1997.
- _____, Closure to discussion by Marinho et al. *Geotechnique*, Vol. 50, 2000.
- Lakshmi N. Reddi, "Particle Transport in Soils: A Review of Significant Processes in Infrastructure Systems," *ASCE Journal of Infrastructure Systems*, 3(2):78-86, 1997.
- Lakshmi N. Reddi, and M.V.S. Bonala, "Critical Shear Stress and its Relationship with Cohesion for Sand-Kaolinite Mixtures," *Canadian Geotechnical Journal*, 34:26-33, 1997.
- Pandit, A., Panigrahi, B.K., Peyton, R.L., Reddi, L.N., Sayed, S.M., and Emett, H., "Models for Groundwater Flow and Contamination: Parameter Description and Evaluation," *ASCE Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, 1(3):127-138, 1997.
- Lakshmi N. Reddi, R.L. Peyton, A. Pandit, B.K. Panigrahi, Sayed M. Sayed, and H. Emmett, "Models for Groundwater Flow and Contamination: Survey and Classification," *ASCE Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, 1(1):35-39, 1997.
- Lakshmi N. Reddi, and M.V.S. Bonala, "Effects of NaCl Concentrations on Interparticle Bond Strength and Cohesion," in *Environmental Geotechnics*, Kamon (ed.), Balkema Publishers, Vol. 1, 293-298, 1996.
- Lakshmi N. Reddi, and S. Thangavadivelu, "Representation of Compacted Clay Minifabric Using Random Networks," *ASCE Journal of Geotechnical Engineering*, 122(11):906-913, 1996.
- _____, Closure to discussion by Chen/Gabr and Atuahene, *ASCE Journal of Geotechnical Engineering*, 125(4):335-337, 1999.
- S. Thangavadivelu, Lakshmi N. Reddi, and S. Menon, "Random Network Modeling for Determination of Representative Specimen Size of Compacted Clays," *ASCE Geotechnical Special Publication No. 58*, Vol. 2, pp. 1303-1317, 1996.

- Rao S. Govindaraju, and Lakshmi N. Reddi, "Upscaling of Pore-Scale Concepts to Develop Models of NAPL Ganglion Dynamics," *Peer-reviewed Proceedings of the ASCE Conference on the Non-Aqueous Phase Liquids (NAPLs) in the Subsurface Environment: Assessment and Remediation*, Washington, D.C., November '96, pp. 454-465, 1996.
- S. Menon, A. Pant, and Lakshmi N. Reddi, "A Pore-Scale Study of the Stability of Nonaqueous Phase Liquid Ganglia Under the Influence of Vibrations," *Peer-reviewed Proceedings of the ASCE Conference on the Non-Aqueous Phase Liquids (NAPLs) in the Subsurface Environment: Assessment and Remediation*, Washington, D.C., pp. 538-550, 1996.
- Lakshmi N. Reddi, and Hui Wu, "Mechanisms Involved in Vibratory Destabilization of NAPL Ganglia in Sands," *ASCE Journal of Environmental Engineering*, 122(12):1115-1119, 1996.
- Lakshmi N. Reddi, G.P. Rieck, A.P. Schwab, S-T. Chou, and L-T. Fan, "Stabilization of Phenolics in Foundry Waste Using Cementitious Materials," *Journal of Hazardous Materials*, 45:89-106, 1996.
- Basheer, I.A., L.N. Reddi, and Y.M. Najjar, "Site Characterization by Neuronets: An Application to Landfill Siting Problem," *Groundwater*, 34(4):610-617, 1996.
- Lakshmi N. Reddi, and R.S. Govindaraju, "Particle Mobilization in Sand-Clay Mixtures and Facilitation of Contaminant Removal - Critical Shear Stress Concept," *ASCE Geotechnical Special Publication No. 46*, Vol. 2, pp. 1222-1236, 1995.
- Rao S. Govindaraju, Lakshmi N. Reddi, and Shashikanth K. Bhargava, "Role of Applied Gradients and Soil Detachability on Formation of Preferential Flow Paths in Sand-Clay Mixtures," *ASCE Journal of Geotechnical Engineering*, 121(9), pp. 652-659, 1995.
- Govindaraju, R.S., L.N. Reddi, and S. Kasavaraju, "A Physically-based Model for Mobilization of Kaolinite Particles Under Hydraulic Gradients," *Journal of Hydrology*, 172:331-350, 1995.
- Lakshmi N. Reddi, A. Hadim, R.N. Prabhushankar, and F. Shah, "Vibratory Extraction of Clay Colloids from the Subsurface", *ASCE Journal of Environmental Engineering*, 120(6), pp. 1544-1558, 1994.
- Lakshmi N. Reddi, and S. Challa, "Vibratory Mobilization of Immiscible Liquid Ganglia in Sands", *ASCE Journal of Environmental Engineering*, 120(5), pp. 1170-1190, 1994.
- Lakshmi N. Reddi, "Feasibility of In-situ Implementation of Vibrations to Mobilize NAPL ganglia", *Journal of Soil Contamination*, 3(1):29-46, 1994.
- Lakshmi N. Reddi and Sampath K.R. Danda, "Unsaturated Flow Modeling - An Exact Solution to an Approximate Problem?" *ASCE Journal of Water Resources Planning and Management*, 120(2), pp. 186-198, 1994.
- Lakshmi N. Reddi, I.A. Basheer, and K.Y. Lee, "Generalized Hydraulic Behavior of Compacted Clays," *Indian Geotechnical Journal*, 24(2):87-105, 1994.
- Lakshmi N. Reddi, "Geotechnical Methods for Colloidal Contaminant Transport," *Peer-reviewed Proceedings of the XIIIth Conference of the International Society of Soil Mechanics and Foundation Engineering*, New Delhi, India, Vol. 4, 1595-1598, 1994.

Lakshmi N. Reddi, S. Berliner, III, and K-Y. Lee, "Feasibility of Ultrasonic Enhancement of Flow in Clayey Sands" a technical note in the *ASCE Journal of Environmental Engineering*, 119(4):746-752, 1993.

Lakshmi N. Reddi and T.H. Wu, Discussion of "Reliability Model for Soil Liner: Postconstruction" *ASCE Journal of Geotechnical Engineering*, 118(4):653-656, 1992.

Lakshmi N. Reddi, "Contribution of Vegetation Roots to Shear Strength of Soil", *ASCE Geotechnical Special Publication No. 27*, pp. 947-957, 1991.

Lakshmi N. Reddi, T.H. Wu, "Probabilistic Analysis of Groundwater Levels in Hillside Slopes", *ASCE Journal of Geotechnical Engineering*, Vol. 117, No. 6, pp. 872-890, 1991.

_____, Closure to discussion by Sidle, R.C., *ASCE Journal of Geotechnical Engineering*, 118(10):1656-1657, 1992.

Lakshmi N. Reddi, "Modeling Plant-Soil-Water Mechanisms Involved in Mass Movement," *Proceedings of the IXth Panamerican Conference on Soil Mechanics and Foundation Engineering*, Vina del Mar, Chile, Vol. 1, 441-454, 1991.

George P. Korfiatis, Lakshmi N. Reddi, and Vincent Montanti, "A Study of Coupled Electric/Hydraulic Flow in Kaolinite", *Transportation Research Board Record* 1288, pp. 35-40, 1990.

Lakshmi N. Reddi, In Mo Lee, and T.H. Wu, "A Comparison of Models Predicting Groundwater Levels on Hillside Slopes", *Water Resources Bulletin*, Vol. 26, No. 4, pp. 657-667, 1990.

Other Minor Publications (Editorials, Reviews, and Bulletins):

Book Review, *Water Resources Bulletin*, 30(5):933-934, October 1994.

Guest Editorial, October Issue of the *ASCE Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, 2(4):143, October 1998.

Book Review, *Applied Mechanics Reviews*, 53(2), Page B18, February 2000.

Editorial (with Hilary Inyang), The Scope and Utility of Geoenvironmental Engineering, *ASCE Journal of Environmental Engineering*, 126(2):93-94, February 2000.

Proceedings Papers

Lee, I.M., Kim, J.H., and Reddi, L.N., "Permeability reduction of soil-geotextile system induced by clogging," *Proceedings of the XV International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE)*, Istanbul, Turkey, August 2001.

Lee, I.M., Choi, S.S., Park, Y.J., and Reddi, L.N., "Permeability reduction of soil filters due to physical clogging," *Proceedings of the YEAR 2000 Geotechnics: Geotechnical Engineering Conference*, Asian Institute of Technology, Bangkok, Thailand, November 2000.

- Lakshmi N. Reddi, "Self-healing of Concentrated Leaks at Core-Filter Interfaces in Earth Dams," *Proceedings of the GeoEng2000 Conference* in Melbourne, Australia.
- Ming, X., L.N. Reddi, and W. Jia, "Clogging of Highway Subsurface Drainage Systems: Demonstration of CDF," *Proceedings of the Transportation Systems 2000 Workshop*, San Antonio, Texas, 2000.
- Ming, X. and L.N. Reddi, "Impact of Fine Particle Entrapment on Performance of Subsurface Pavement Drainage Systems - Design Considerations," *Proceedings of the Transportation Research Board*, 2000.
- Lee, I.M., Kim, S.G., L.N. Reddi, and J.S. Ko, "Particle Transport Characteristics of Granitic Residual Soils," *Proceedings of the 11th Asian Regional Conference of ISSMGE* (International Society of Soil Mechanics and Geotechnical Engineering), Seoul, Korea, August 16 - 20, 1999.
- Lee, I.M., Yoo, S.H., Park, K.J., and L.N. Reddi, "Clogging Phenomena and Water Carrying Capacity of a Tunnel Drainage System," *Proceedings of the World Tunnel Congress*, General Assembly of the International Tunnelling Association, Oslo, Norway, 29 May - 3 June 1999.
- Bhandari, A., Bonala, M.V.S., Erickson, L.E., Griswold, W., and L.N. Reddi, "Multi-Agency Perspective on Hazardous Substance Research Needs," *Proceedings of the 14th Conference on Hazardous Waste Research*, Great Plains/Rocky Mountains Hazardous Substance Research Center, St. Louis, Missouri, May 24-27, 1999.
- Bonala, M.V.S., and Lakshmi N. Reddi, "Fractal Representation of Poromechanics Involved in the Consolidation Process," *Proceedings of the Biot Conference on Poromechanics*, Louvain-la-Neuve, Belgium, September 1998.
- Lakshmi N. Reddi, Han, W., and Banks, M.K., "Fate and Transport of LNAPLs under Fluctuating Water Table Conditions," *Proceedings of the Geoenvironmental Engineering Conference (Contaminated Ground: Fate of Pollutants and Remediation)*, British Geotechnical Society, Cardiff, Wales, September 1997.
- Lakshmi N. Reddi, "Generalized Characterization of Water Retention Properties of Fine-Grained Soils," *Proceedings of the 3rd International Symposium on Environmental Geotechnology*, (Eds: Fang and Inyang), San Diego, California, June 1996, pp. 312-320.
- Lakshmi N. Reddi, J. Nichols, and H. Wu, "Bench-Scale Investigations on Vibratory Mobilization of Immiscible Liquid Ganglia," *Proceedings of the HSRC/WERC Joint Conference on the Environment*, Albuquerque, New Mexico, May 1996.
- Lakshmi N. Reddi, Menon, S., and Pant, A.K., "Pore-Scale Impact of Soil and Fluid Kinetics on Non-Aqueous Phase Liquid Mobilization," *Innovative Technologies for Site Remediation and Hazardous Waste Management*, Proceedings of the National Conference of ASCE Environmental Engineering Division, Pittsburgh, July 1995, pp. 325-332.
- R.N. Prabhushankar, Lakshmi N. Reddi, and A.P. Schwab, "Assessment of Clay-Colloid Transport and the Associated Transport of Herbicides in the Subsurface," *Innovative Technologies for Site Remediation and Hazardous Waste Management*, Proceedings of the National Conference of ASCE Environmental Engineering Division, Pittsburgh, July 1995, pp. 349-356.

- Kasavaraju, S.K., Reddi, L.N., and Govindaraju, R.S., "Transport of Colloidal Clay Particles - A Predictive Model and Experimental Validation," *Computer Methods and Advances in Geomechanics* (eds. Siriwardane and Zaman), Proceedings of the Eighth International Conference of the Association for Computer Methods and Advances in Geomechanics, 1994, Vol. 2, pp. 1109-1115.
- Basheer, I., and Reddi, L.N., "A Knowledge-Based Expert System for Design of Clay Liners," *Proceedings of the ASCE Soil Barrier Technology Conference*, ASCE Maine Section, 1994.
- Basheer, I., Naouss, W.A., and Reddi, L.N., "Design of Clay Liner Permeability at Laboratory Scale Using Expert Systems," *Proceedings of the First ASCE Congress on Computing in Civil Engineering*, Washington, D.C., June 22-24, 1994, Vol. 1, pp. 273-276.
- Govindaraju, R.S., and Reddi, L.N., "Movement of Colloids Under Hydraulic Gradients," *Proceedings of the 1994 ASCE Hydraulics Conference/Symposium*, Buffalo, 1994.
- Peyton, R.L., Reddi, L.N., Pandit, A., Panigrahi, B.K., and Emmett, H., "Classification of Ground Water Models," *Proceedings of the 1993 Joint CSCE-ASCE National Conference on Environmental Engineering*, 1993, pp. 1447-1454.
- Prabhushankar, R.N., and Reddi, L.N., "Use of Vibrations for Controlled Mobilization and Removal of Colloids from Subsurface," *Proceedings of the 1993 Joint CSCE-ASCE National Conference on Environmental Engineering*, 1993, pp. 1573-1580.
- Lakshmi N. Reddi, G.P. Korfiatis, and E. Aguilar, "Integrated Vibrorecovery Process for Remediation of NAPL-Contaminated Sites" *Proceedings of the National R&D Conference of the Hazardous Materials Control Research Institute*, pp. 305-308, 1992.
- Sampath K.R. Danda and Lakshmi N. Reddi, "Prediction and Sensitivity of Recharges due to Rainfall", *Proceedings of the ASCE Water Forum'92*, Baltimore, MD, 1992, pp. 397-402.
- Lakshmi N. Reddi, C.H. Emmett, D.E. Medina and R.L. Peyton, "Survey of and Classification Criteria for Most Commonly Used Groundwater Models", *Proceedings of the ASCE Water Forum'92*, Baltimore, MD, 1992, pp. 575-580.
- Brunell, L.R. and Lakshmi N. Reddi, "A Hierarchy of Models to Assess Surface and Groundwater Impacts due to Agricultural Pollutants", *Proceedings of the NWWA Focus Conference on Eastern Regional Ground Water Issues*, October 29-31, 1991, pp. 899-912.
- Lakshmi N. Reddi, and G.P. Korfiatis, "Integrated Vibrorecovery Technology for In-situ Restoration of NAPL-Contaminated Sites," *Proceedings of the EPA Region I & II Conference on Aquifer Reclamation and Source Control*, June 1991, Boxborough, MA.
- Lakshmi N. Reddi, "Potential Pitfalls in Using Groundwater Models", *Proceedings of the AWRA Symposium on Transferring Models to Users*, November 1990, Denver, CO, pp. 131-140.
- Lakshmi N. Reddi, G.P. Korfiatis, D.A. Vaccari, and A. Hadim, "Investigations on Retention and Recovery of Immiscible Contaminants in Soils", *Proceedings of the EPA Region I & II Conference on Aquifer Reclamation and Source Control*, November 1990, Woodbridge, NJ.
- Naymik, T.G., Beard, T.C., Gavaskar, A.R., and Lakshmi N. Reddi, "Groundwater Flow and Solute Transport Modeling applied to contaminant migration from a warehouse fire in the

Miami River Well Field, Dayton, Ohio", *Proceedings of the Fourth International Conference on Solving Groundwater Problems with Models*, February 7-9, 1989, pp. 1045-1057.

Selected Reports

Academic Research

Ham, J.M., Reddi, L.N., Rice, C.W., and Murphy, J.P., "Evaluation of Lagoons for Containment of Animal Waste," Final Report submitted to the Kansas Department of Health and Environment, April 1998.

Banks, M.K., Reddi, L.N., Rice, C., and Kluitenberg, G., "Bioremediation of Hazardous Organic Substances in the Subsoil," Final Report submitted to the Environmental Protection Agency (EPSCoR program), June 1997.

Lakshmi N. Reddi, and H. Wu, "Vibratory Phase Separation of Immiscible Contaminants in Soils," Progress Report No. KSU/GT/94-01, submitted to National Science Foundation, August 1994.

Lakshmi N. Reddi, S. Challa, and H. Wu, "Vibratory Phase Separation of Immiscible Contaminants in Soils," Progress Report No. KSU/GT/93-01, submitted to National Science Foundation, August 1993.

Lakshmi N. Reddi, A. Hadim, and S. Berliner, III, "Feasibility of Ultrasonic Enhancement of In-situ Remediation Techniques," Research Report, Project No.: SITE-33, Hazardous Substance Management Research Center, New Jersey Institute of Technology, Newark, NJ, April 1993.

Industry/Consultancy

Lakshmi N. Reddi, Herbert E. Stangland, "Geotechnical Services for the Proposed Construction of the Slurry Wall System for Charlotte County Landfill, Charlotte County, Florida", Report No. 84-105E, Ardaman & Associates, Orlando, FL, 1989.

Lakshmi N. Reddi, J.E. Garlanger, "Hydrologic Analyses of the Upper Little Manatee River, Hillsborough County, Florida", Report No. 89-003, Ardaman & Associates, Orlando, FL, 1989.

Lakshmi N. Reddi, Francis K. Cheung, and Scott W. Davidson, "Hydrogeological Survey and Groundwater Monitoring Plan for Land Application System, Kissimmee, Florida", Report No. 88-6337 for Camp Dresser & McKee, Inc, Ardaman & Associates, Orlando, FL, 1988.

Other (Administrative)

Griswold, W.M., Boguski, T.K., Erickson, L.E., Rankin, M., and Reddi, L.N., Annual Report of the Great Plains/Rocky Mountain Hazardous Substance Research Center submitted to the EPA, December 1999.

Lakshmi N. Reddi, *Knowledge Transfer in the Hazardous Substance Decision-making Process*, A Report submitted to the EPA summarizing the Proceedings of the Technology Transfer Conference sponsored by the EPA and its Five Regional Centers held at Estes Park, Colorado, November 1-3, 1998.

Griswold, W.M., Boguski, T.K., Erickson, L.E., Rankin, M., and Reddi, L.N., Annual Report of the Great Plains/Rocky Mountain Hazardous Substance Research Center submitted to the EPA, December 1998.

Invited Lectures

"Internal Erosion in Earth Dams and Embankments," Department of Civil Engineering, Wollongong University, Australia, to occur in Summer 2000. (Invited by Prof. Buddhima Indraratna)

"Basic Studies on Piping Potential in Earth Dams," Department of Civil Engineering, University of New South Wales, Sydney, Australia, to occur in Summer 2000. (Invited by Prof. Robin Fell)

"Particle Transport and Deposition Principles in Earthen Dam Performance," Department of Civil Engineering, Indian Institute of Technology, Delhi, India, 19 January 2000. (Invited by Prof. K.V. Rao)

"State-of-the-Art on Filtration and Drainage in Earth Dams," Central Soil and Materials Research Station, Delhi, India, 18 January 2000. (Invited by Dr. Venkatachalam)

"Seepage Through Lagoon Soil Liners," Seminar Series in the Department of Biological and Agricultural Engineering, Kansas State University, 26 February 1998. (Invited by Prof. Koelliker)

"Particle Transport in Geoenvironmental Engineering," Department of Civil Engineering, Setsunan University, Osaka, Japan, November 1996. (Invited by Prof. Ito Yuzuru)

A series of four lectures at the Korea University, Seoul, Korea, October 1996 (Invited by Prof. In Mo Lee):

"Design and Construction of Waste Containment Barriers,"

"Particle Transport in Geoenvironmental Engineering,"

"Remediation Technologies for NAPL-Contaminated Sites,"

"Vibratory Remediation of NAPL-Contaminated Sites"

"Vibratory Remediation of Sites Contaminated with Non-Aqueous Phase Liquids (NAPLs)," Center for Environmental Engineering and Science Technologies, University of Massachusetts, Lowell, Massachusetts, April 1996. (Invited by Prof. Inyang)

"In-situ Remediation of NAPL-Contaminated Sites: Physical Methods," Seminar Series in the Department of Chemical Engineering, Kansas State University, February 9, 1995. (Invited by Prof. Erickson)

A series of presentations on Environmental Geotechnology and Subsurface Remediation at the Indian Institute of Science, Bangalore, India, December 1993 (Invited by Prof. Nagaraj):

"Vibratory Mobilization of Non-Aqueous Phase Liquid Ganglia in Sands," December 21, 1993

"Integrated Vibrorecovery Process for In-situ Site Remediation," December 21, 1993

"Unsaturated Flow Modeling - Exact Solution to Approximate Problem ?" December 23, 1993

"A Probabilistic Analysis of Groundwater Levels in Hillside Slopes," December 23, 1993.

Lakshmi N. Reddi, "Glimpses of Environmental Geotechnology," Department of Geology, Kansas State University, January 26, 1993. (Invited by Prof. Jim Underwood)

Lakshmi N. Reddi, "Glimpses of Environmental Geotechnology", Rutgers- State University of New Jersey, March 30, 1992. (Invited by Prof. Balaguru)

Lakshmi N. Reddi, "A Review of Remediation Technologies for NAPL-Contaminated Sites", Stevens Center for Environmental Engineering, Stevens Institute of Technology, March 26, 1991. (Invited by Prof. Korfiatis)

Lakshmi N. Reddi, "Design and Construction of Clay Liners", Stevens Center for Environmental Engineering, Stevens Institute of Technology, April 27, 1990. (Invited by Prof. Korfiatis)

Other Presentations

Lakshmi N. Reddi, "State of the Technology: Phytoremediation," EPA ORD Conference, Bloomington, Illinois, November 1999.

Lakshmi N. Reddi, and M.V.S. Bonala, "Critical Review of, and Future Research Needs in, Internal Erosion, Piping, and Filtration in Earth Dams," Technology Update Lecture, US Bureau of Reclamation, Denver, Colorado, July 1999.

Davalos, H., and Lakshmi N. Reddi, "Animal Waste Containment in Anaerobic Lagoons Lined with Compacted Clays," 1999 Conference on Hazardous Waste Research, May 24-27, St. Louis, Missouri.

Lakshmi N. Reddi, and V. Felker, "Biological Clogging of Compacted Clay Liner," 1999 Conference on Hazardous Waste Research, May 24-27, St. Louis, Missouri.

Hajra, M.G., and Lakshmi N. Reddi, "A Model to Predict Biological Clogging in Porous Media," 1999 Conference on Hazardous Waste Research, May 24-27, St. Louis, Missouri.

Ming, X., and Lakshmi N. Reddi, "Modeling Permeability Changes due to Particle Transport," 1999 Conference on Hazardous Waste Research, May 24-27, St. Louis, Missouri.

Hajra, M.G., M.V.S. Bonala, and Lakshmi N. Reddi, "Effect of Flow Rate and Influent Particle Concentration on Clogging of Soil Filters," 1999 Conference on Hazardous Waste Research, May 24-27, St. Louis, Missouri.

Mutyala, J., Marchin, G.L., and Lakshmi N. Reddi, "Biological Clogging in Porous Media and the Effects of Using Iodinated Resins," 1999 Conference on Hazardous Waste Research, May 24-27, St. Louis, Missouri.

Lakshmi N. Reddi, M.G. Hajra, and X. Ming, "Pavement Subsurface Drainage," 81st Annual Kansas Transportation Engineering Conference, Kansas State University, April 13, 1999.

- Lakshmi N. Reddi, and Davalos, H., "Seepage Through Animal Waste Lagoon Liners," 7th Annual Kansas Hydrology Seminar, Topeka, Kansas, November 20, 1998.
- Lakshmi N. Reddi, Bonala, M.V.S., and Davalos, H., "Performance of Animal Waste Lagoon Liners," 1998 Conference on Hazardous Waste Research, Snowbird, Utah, May 18-21, 1998.
- Han, W., Reddi, L.N., and Banks, M.K., "Modeling the Effects of Cyclic Water Table Fluctuations on Fate of LNAPL Ganglia," 12th Annual Conference on Hazardous Waste Research, Kansas City, Missouri, May 20-22, 1997.
- Bonala, M.V.S., and Reddi, L.N., "Impact of Pore Fluid Composition Changes on Soil Filter Clogging in Contaminated Environment," 12th Annual Conference on Hazardous Waste Research, Kansas City, Missouri, May 20-22, 1997.
- Schuckman, L., Banks, M.K., and Reddi, L.N., "The Effect of Fluctuating Water Levels on Biodegradation of NAPLs in Soil," 12th Annual Conference on Hazardous Waste Research, Kansas City, Missouri, May 20-22, 1997.
- Lakshmi N. Reddi, W. Han, and M.K. Banks, "Fate and Transport of Residual NAPLs under Fluctuating Water Table Conditions," HSRC/WERC Joint Conference on the Environment, Albuquerque, New Mexico, May 1996.
- Rieck, G., S.T. Chou, and L.T. Fan, "Commercialization of Waste Generated from Foundry Industries of Kansas," presented at the AMI Progress in Manufacturing Conference & Exhibit, Kansas State University, Manhattan, KS, January 1996.
- Lakshmi N. Reddi, M.V.S. Bonala, and R. Poduri, "Combined Effects of Pore Fluid Dynamics and its Composition on Stability of Particulate Contaminants," Hazardous Waste Research Conference, Kansas State University, Manhattan, KS, May 1995.
- Prabhushankar, R.N., and Reddi, L.N., "One-Dimensional Particle Transport Model in Porous Media," Hazardous Waste Research Conference, Kansas State University, Manhattan, KS, May 1995.
- Pant, A.K., and Reddi, L.N., "Effect of Pore Fluid Kinetics on the Recovery of Immiscible Contaminants from Soils," Hazardous Waste Research Conference, Kansas State University, Manhattan, KS, May 1995.
- Menon, S., and Reddi, L.N., "Network Modeling Approach to Assess Fate of Residual NAPL Ganglia under the Influence of Pore Fluid Kinetics," Hazardous Waste Research Conference, Kansas State University, Manhattan, KS, 1995.
- Liu, B., Han, W., Banks, M.K., and Reddi, L.N., "Bioremediation of Hazardous Organic Contaminants at Textural Interfaces in the Subsoil," Hazardous Waste Research Conference, Kansas State University, Manhattan, KS, 1995.
- Lakshmi N. Reddi, and H. Wu, "Performance Evaluation of Vibrorecovery as Remediation Technology at Hazardous Waste Sites," presented at the 9th Annual Conference on Hazardous Waste Remediation, Bozeman, Montana, June 8-10, 1994.

- Prabhushankar, R.N., Reddi, L.N., and Schwab, P.A., "Clay Colloid-Associated Transport of Contaminants into the Subsurface," presented at the 9th Annual Conference on Hazardous Waste Remediation, Bozeman, Montana, June 8-10, 1994.
- Rieck, G., and Reddi, L.N., "Stabilization of Foundry Waste with Clay Binders and Its Utilization," presented at the 9th Annual Conference on Hazardous Waste Remediation, Bozeman, Montana, June 8-10, 1994.
- Lakshmi N. Reddi, "Feasibility and Efficiency of Vibrorecovery Technology to Remediate LNAPL-Contaminated Sites," presented at the ACS Special Symposium - Emerging Technologies in Hazardous Waste Management VI, September 19-21, 1994.
- Thangavadivelu, S., and Reddi, L.N., "Generalized Prediction of Permeability of Compacted Clays," presented at the 1994 ASAE summer meeting, June 19-22, Kansas City, Missouri.
- Rieck, G., Lakshmi N. Reddi, Chou, S-T., and Fan, L.T., "Utilization and Potential Commercialization of Waste Generated in Kansas Manufacturing Industries," presented at the AMI Progress in Manufacturing Conference & Exhibit, January 7, 1994, Kansas State University.
- Lakshmi N. Reddi, and S. Challa, "Mobilization of Organic Contaminants from Soils due to Cyclic Pore Pressures," presented at the Hazardous Waste Research Conference, Kansas State University, May 25-26, 1993.
- Prabhushankar, R.N., and Reddi, L.N., "Physical Extraction of Clay Colloids and the Associated Contaminants from Saturated Subsurface," presented at the Hazardous Waste Research Conference, Kansas State University, May 25-26, 1993.
- Govindaraju, R.S., and Reddi, L.N., "A Physically Based Model for Transport of Colloidal Clay Particles Under Hydraulic Gradients," presented at the 1993 Fall Meeting of the American Geophysical Union, San Francisco, December 7, 1993.
- Bhargava, S.K., Govindaraju, R.S., and Reddi, L.N., "Pore Evolution During Colloidal Clay Particle Removal Under Hydraulic Gradients," presented at the 1993 Fall Meeting of the American Geophysical Union, San Francisco, December 7, 1993.
- Lakshmi N. Reddi, "Enhancement of Drainage in and Stability of Highway Embankment Slopes," 75th Annual Kansas Transportation Engineering Conference, Kansas State University, March 31 - April 1, 1993.
- Hadim, A., Shah, F., Reddi, L.N., and Prabhushankar, R.N., "Feasibility of Ultrasonic Enhancement of In-Situ Remediation Techniques," poster presentation at New Jersey Institute of Technology, October 15, 1993.
- Lakshmi N. Reddi and G.P. Korfiatis, "A Vibratory Method for In-situ Remediation of Soils Contaminated with Non-Aqueous Phase Liquids" presented at the Conference on Hazardous Waste Research, University of Colorado at Boulder, June 1-2, 1992.
- Lakshmi N. Reddi, "Development of Geo-mechanical techniques for Remediation of NAPL-contaminated Sites" presented at the *Environmental Geotech Symposium of the 1992 ASCE International Convention & Exposition*, September 14-17, New York, 1992.

Lakshmi N. Reddi, "Simple Conceptualizations of Flow in the Unsaturated Zone", *AGWSE Conference of Ground Water Flow Systems and Land Use: Relation to Quality of Shallow Ground Water*, September 25-26, 1990, Anaheim, CA.

KS Hamm
Eng. b
Sec. Fall 2002

Stephen Berland

President
BG Consultants, Inc.

4806 Vue Du Lac Place
Manhattan, KS 66503
Telephone: 785-537-7448
Fax: 785-537-8793
E-mail: steve@bgcons.com



Stephen Berland earned a bachelor's degree in civil engineering from Kansas State University in 1972. He is a registered professional engineer in Kansas and Missouri.

In 1976, he co-founded BG Consultants in Manhattan. As president of the firm, Berland is in charge of monitoring all projects under contract and is director of all business development and business administration for the firm. This includes coordinating professional activities among the four BG Consultants office locations.

He has professional experience in many aspects of consulting engineering, including structures, municipal streets and utilities, hydrology, land development, storm drainage, industrial park development, project funding, traffic studies, and

Advisory Council

highway and bridge design. This broad range of experience has provided a solid foundation for the firm to build its much-respected reputation in the architectural and engineering consulting profession.

Berland holds membership in the following professional societies: National Society of Professional Engineers, American Society of Civil Engineers, Kansas Engineering Society, Chi Epsilon Civil Engineering Fraternity, Society of American Military Engineers, Association of the United States Army, and Kansas Consulting Engineers.

He is currently on the board of directors of the following organizations: Manhattan Arts Center, Manhattan Chamber of Commerce, and Kansas Consulting Engineers.

Kansas natives, he and his wife, Deloris, also a K-State graduate, live in Manhattan. Deloris is a retired teacher from the Manhattan school system. They have two children, Stephanie and Christopher, both graduates of Kansas State University.

K-STATE
ENGINEERING

RS Gamma
Eligibility
Sec 3
Fall 2002



Full Name: Ayman Mansour Ahmed

Previous Academic Work:

- 1- Student in Electrical Engineering department, Faculty of engineering,
Zagazig University, Egypt (1991-1996).
- 2- Degree: B.S. Degree in Electronics and Communications,
Faculty of Engineering,
Zagazig University,
Egypt.
- 3- Year of Graduation: 1996.
- 4- Final Graduations grades: Very good with Honor degree.



To: Tau Beta Pi Selection Committee

From: Dr. Dwight D. Day,
Associate Professor,
Department of Electrical and Computer Engineering,
Kansas State University.

Department of Electrical
and Computer Engineering
261 Rathbone Hall
Manhattan, KS 66506-5204
785-532-5600

Re: Recommendation of Ayman Ahmed.

I am writing to you in recommendation of Mr. Ayman Ahmed. My association with Mr. Ahmed has been as a class instructor and Ph.D. advisor.

Mr. Ahmed took an independent study course from me during the Spring of 2002. He showed exceptional skill at self-directed learning and good study skills. The class was a variation on one of our advanced graduate classes, EECE 866.

As Mr. Ahmed's advisor, I have been impressed with his ability to read the current literature in image processing and glean the pertinent information. He has shown great skill at translating this information into actual programs. I have found him to be truly a pleasure to work with.

In conclusion, I believe Mr. Ahmed would be an excellent choice as a member of Tau Beta Pi. Upholding all of the principles of scholarship and academic achievement on which TBP is based.

Sincerely,

A handwritten signature in black ink that reads "Dwight D. Day". The signature is fluid and cursive, with the first and last names being more prominent.

Dwight D. Day



To: Tau Beta Pi Selection Committee

From: Dr. Dwight D. Day,
Associate Professor,
Department of Electrical and Computer Engineering,
Kansas State University.

Department of Electrical
and Computer Engineering
261 Rathbone Hall
Manhattan, KS 66506-5204
785-532-5600

Re: Status of Ayman Ahmed in the Ph.D. Program.

I am writing to you as Mr. Ayman Ahmed's Ph.D. advisor. I have been working with Mr. Ahmed for about one year on a research topic in which he is making very good progress. Barring an unforeseen problems, I would evaluate Mr. Ahmed as being over half way to his research goal on his Ph.D.

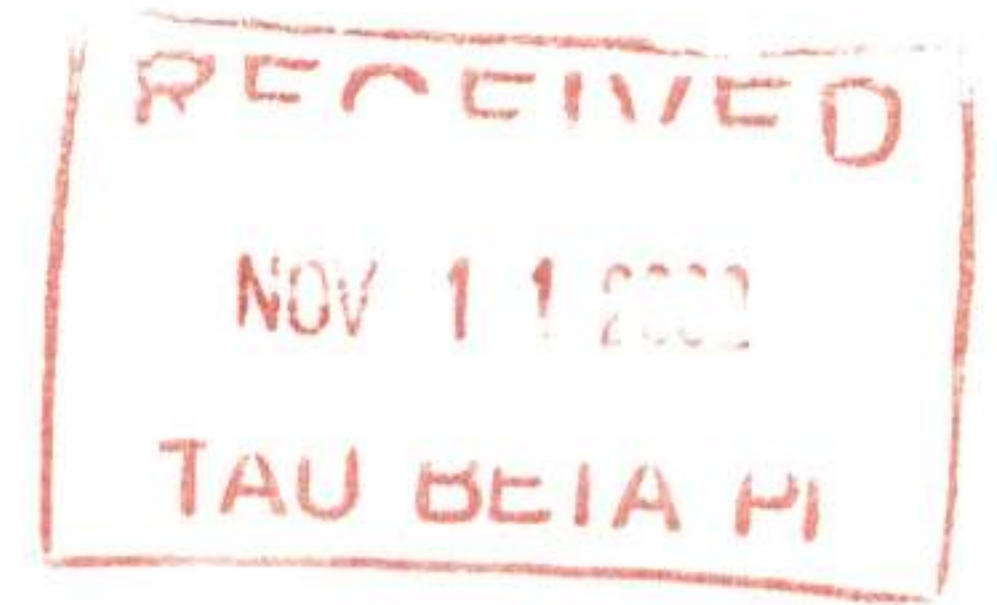
With regard to class work, Mr. Ahmed's class schedule, from his plan of study, show him to be over half complete on course work. I believe this should qualify him as a candidate for Tau Beta Pi.

Sincerely,

A handwritten signature in black ink that reads "Dwight D. Day". The signature is fluid and cursive, with the first name "Dwight" being the most prominent part.

Dwight D. Day

TAU BETA PI Applicant Information



Name: Mohamed A. Awadallah

Position: PhD Candidate, Department of Electrical and Computer Engineering

Academic Degrees:

1- B.Sc.E.E., University of Zagazig, Egypt, August 1993.

Grade: Distinction with Honors.

Rank: First

GPA: 91.9% (3.676/4)

2- M.Sc.E.E., University of Zagazig, Egypt, May 1997.



Department of Electrical
and Computer Engineering
261 Rathbone Hall
Manhattan, KS 66506 -5204
785-532-5600

October 8, 2002

President, Tau Beta Pi
College of Engineering
CAMPUS

Dear Sir/Madam:

It is my pleasure to nominate Mr. Mohamed A. Awadallah to join the Tau Beta Pi Engineering Honor Society. He is an outstanding graduate student who is consistently cooperative and considerate of others. Mohamed possesses a high degree of personal integrity, which has earned him the respect of both the faculty and his peers.

Mohamed values all educational opportunities given him, whether in the classroom or in a laboratory setting. He has consistently exercised good time management in balancing a demanding course of study with other numerous activities. He is well deserving of your consideration. Please contact me if I can be of further assistance.

Kindest regards,

A handwritten signature in black ink that reads "Medhat M. Morcos". The signature is written in a cursive style with some capitalization.

Medhat M. Morcos, Ph.D.

Professor

University Distinguished Teaching Scholar

Telephone: (785) 532-4678

Fax: (785) 532-1188

E-mail: morcos@ksu.edu

MMM/tsh



Department of Electrical
and Computer Engineering
261 Rathbone Hall
Manhattan, KS 66506 -5204
785-532-5600

October 8, 2002

To Whom It May Concern:

Mr. Mohamed A. Awadallah, a Ph.D. candidate in the Department of Electrical and Computer Engineering, has completed all the courses required for the degree. He also has completed more than 50% of the research work. Please let me know if you need further information.

Kindest regards,

Medhat M. Morcos

Medhat M. Morcos, Ph.D.
Professor
University Distinguished Teaching Scholar
Telephone: (785) 532-4678
Fax: (785) 532-1188
E-mail: morcos@ksu.edu

MMM/tsh

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <cdw8484@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Wednesday, November 13, 2002 12:11 PM
Subject: Eligibility Acknowledgement

To: Clinton Daniel Williams
From: TBP Web Server
Subject: Eligibility Acknowledgement (NOT initiation approval!)

To the President of Kansas Gamma Chapter
Date November 13, 2002

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

** Graduate candidates(s) are eligible.

VIII, Sec. 3, as follows: Ayman m. Ahmed and Mohamed Awadallah

** Alumnus candidates(s) are eligible.

Section 6(a).*: Thomas C. Roberts, Stephen L. Berland, and Lakshmi N. Reddi

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <cdw8484@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, December 02, 2002 12:55 PM
Subject: Final Action Acknowledgement

To: Clinton Daniel Williams
 From: TBP Web Server
 Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter

Date December 2, 2002

The Report of Final Action and photocopy of the Roll Book signatures for your 11/24/2002 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

19 C-VIII, Sec. 2 Undergraduate Student(s)

2 C-VIII, Sec. 3 Graduate Student(s)

__ C-VIII, Sec. 4 Alumnus(i)

__ C-VIII, Sec. 5 Alumnus(i)

1 C-VIII, Sec. 6 Eminent Engineer(s)

22 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

Approved by: James D. Froula, Secretary-Treasurer

12/2/2002

Stephen Berland, APR 15, 2003
President



BS in Civil Engineering
Kansas State University

Registered Professional
Engineer in Kansas and
Missouri



Experience

27 Years with BG Consultants, Inc.

Firm Role

President

Expertise

Stephen L. Berland, P.E., co-founded BG Consultants in March 1976. Mr. Berland has over 30 years of consulting experience. As president of the firm, Mr. Berland is in charge of monitoring all projects under contract and is director of all business development and business administration for the firm. His administrative duties include coordinating professional activities between the four BG Consultant office locations. He also serves as Project Engineer on several current civil engineering projects.

Mr. Berland has professional experience in several aspects consulting engineering, including structures, municipal streets and utilities, hydrology, land development, storm drainage, industrial park development, project funding, traffic studies, as well as highway and bridge design. This broad range of professional experience has provided a solid foundation for our firm to build its much respected reputation in the architectural and engineering consulting profession.

Mr. Berland is a member of the following Professional Societies:

National Society of Professional Engineers
American Society of Civil Engineers
Kansas Engineering Society
Chi Epsilon Civil Engineering Fraternity
Society of American Military Engineers
Association of the United States Army
Kansas Consulting Engineers



Rebecca Davis

From: <rptsubmit@tbp.org>
To: <brs9987@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Tuesday, April 15, 2003 12:57 PM
Subject: Eligibility Acknowledgement

To: Benjamin Ross Sommers
From: TBP Web Application
Subject: Eligibility Acknowledgement (NOT initiation approval)
IMPORTANT NOTE!!! This is NOT initiation approval!

To the President of Kansas Gamma Chapter
Date April 15, 2003

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

** Alumnus candidates(s) are eligible.

Section 6(a).*: Stephen L. Berland

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
YOU MUST SUBMIT YOUR REPORT OF ELECTION FIRST
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <brs9987@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Wednesday, April 23, 2003 10:53 AM
Subject: Official Approval To Hold Your Initiation

To: Benjamin Ross Sommers
From: TBP Web Application
Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter Date: April 23, 2003

** Report(s) of Election for eligible students have been received and your election of 27 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

** Catalog Cards for eligible students have been received and your election of 27 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

** Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

** Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

Sec. 3:

Sec. 4:

Sec. 5:

Sec. 6: Stephen L. Berland and Lakshmi Reddi

** These 27 electee(s) are approved for initiation on 04/28/2003.

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

** We need Catalog Card(s) for the following electee(s):

Nathaniel D Burt,
Eric Michael Carlson,
Brandon Scott Frink,
Joon-Suk Lee,
Braden Tyler Snead,
Benjamin Eric Morrill,
Keith Alan Moyer,
Clell Jeffery Solomon,
Adrienne Nicole Berry,
Kenneth Bartley Norton,

4/23/2003

Ross Robert Stutterheim,
Tricia Lyn Petr,
Bjorn Olaf Melander,
Ryan Alan Philbrick,
Scott Allen Terrill,
Kevin Dean Smith,
Erin Leah Pasold,
Bryson James Cyphers,
Jared Allen Wagner,
Thomas Aaron Bondurant,
Nicholas G Leach,
Jared Ryan Mason,
Bryan Andrew Cless,
Nathan George Candea-Kromm,
Russell Allan Yarnell,
Eric David Goff,
Matthew Rhett Larson

We have received the catalog cards. However, I have not checked them off against the electronic cards since you won't get keys and certificates in time for initiation. That is why you have the above message stating that catalog cards are needed. If you have questions, please contact me. Rebecca

___ Keys have been ordered for delivery as soon as possible (They usually require 3-4 weeks for delivery.)

___ Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Rebecca or Sherry.

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <nkp5678@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Tuesday, May 27, 2003 1:24 PM
Subject: Final Action Acknowledgement

To: Nathan Kimball Parker
From: TBP Web Server
Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter Date May 27, 2003

The Report of Final Action and photocopy of the Roll Book signatures for your 04/28/2003 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

25 C-VIII, Sec. 2 Undergraduate Student(s)

__ C-VIII, Sec. 3 Graduate Student(s)

__ C-VIII, Sec. 4 Alumnus(i)

__ C-VIII, Sec. 5 Alumnus(i)

2 C-VIII, Sec. 6 Eminent Engineer(s)

27 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

Approved by: James D. Froula, Secretary-Treasurer

5/27/2003

THE TAU BETA PI ASSOCIATION
POSTPONED & FINANCIAL REFUSAL ELECTEES

Chapter Kansas Gamma

Date Spring 2003

The persons listed below were elected by your chapter during past initiation seasons as noted. They have refused membership for financial reasons (Constitution Article VIII, Section 10) or have simply missed attending a formal initiation. Unless their election is to be cancelled, at the option of your chapter, the following three options apply:

A) Persons whose names appear on this list and who remain eligible for membership may be initiated at the next regular initiation without re-election. Such electees who graduate may be initiated without re-election within five years from the date of election.

B) Persons listed who become academically ineligible *and* whose postponements have been *approved and documented* by the Advisory Board may be initiated at the next regular initiation.

C) Persons listed who become ineligible and whose postponements have *not* been approved by the Advisory Board must become eligible again and be re-elected during a subsequent term in order to be initiated.

If it is inconvenient for them to return to your chapter for initiation, arrangements can be made through the National Headquarters for their initiation by chapters near their homes.

Please indicate the action to be taken on each electee listed; i.e., **To be initiated on** _____ (date); Election cancelled by the chapter; Continue financial refusal or postponed status; etc.

RETURN THIS SHEET WITH YOUR REPORT OF ELECTION

Name & Class

Status / Date Elected

Advisory
Board Approval

Re: Key

Action by Chapter

Lakshmi Reddy '82 Sec 6 Post Fall-02 N/A Not ordered Init 4-28-03

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <nkp5678@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, October 27, 2003 8:58 AM
Subject: Eligibility Acknowledgement

To: Nathan Kimball Parker
From: TBP Web Application
Subject: Eligibility Acknowledgement (NOT initiation approval)
IMPORTANT NOTE!!! This is NOT initiation approval!

To the President of Kansas Gamma Chapter
Date October 27, 2003

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
YOU MUST SUBMIT YOUR REPORT OF ELECTION FIRST
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

10/27/2003

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <nkp5678@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Tuesday, October 28, 2003 9:22 AM
Subject: Official Approval To Hold Your Initiation - KS G

To: Nathan Kimball Parker
From: TBP Web Application
Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter Date: October 28, 2003

**** Report(s) of Election for eligible students have been received and your election of 29 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.**

__ Catalog Cards for eligible students have been received and your election of 29 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

__ Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

__ Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

Sec. 3:

Sec. 4:

Sec. 5:

Sec. 6:

**** These 29 electee(s) are approved for initiation on 11/09/2003.**

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

**** We need Catalog Card(s) for the following electee(s):**

Ashley Lynn Deforest,
Mathew E Edwards,
Michael Ryan Henley,
Cole Russell Knudsen,
Kyle Russell Kuhlman,
Luke Rodman Kunkel,
Gina Maria Mercurio,
Brent D Oxandale,
Scott Daniel Rock,
Kyle Justin Stonebraker,
Austin Lee Wareing,
Trisha Lynn Culbertson,
Junius Mark Penny,

10/28/2003

Kelley L. Hughes,
Jared Charles Winn,
Justin Matthew Birkey,
Nicolette Lynn Dudley,
Brian David Platt,
Nicholas Alexander Potenski,
Kirra Candice Vering,
Jack Andrew Bauer,
Justin Matthew Delp,
Justin Searcy Williams,
Amanda Nicole Day,
Clay Tyler Crane,
Jason Ryan Blankenship,
Nyla Anne Polli,
Matthew Alan Smith,
Jason Charles Landoll

Keys and certificates will be ordered after we receive an original catalog card for each initiate. If you have questions, please contact me. Rebecca

___ Keys have been ordered for delivery as soon as possible (They usually require 3-4 weeks for delivery.)

___ Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Rebecca or Sherry.

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

Rebecca Davis

From: <rptsubmit@tbp.org>
To: <nkp5678@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Tuesday, November 25, 2003 10:30 AM
Subject: Final Action Acknowledgement

To: Nathan Kimball Parker
From: TBP Web Server
Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter

Date November 25, 2003

The Report of Final Action and photocopy of the Roll Book signatures for your 11/09/2003 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

28 C-VIII, Sec. 2 Undergraduate Student(s)

☐ C-VIII, Sec. 3 Graduate Student(s)

☐ C-VIII, Sec. 4 Alumnus(i)

☐ C-VIII, Sec. 5 Alumnus(i)

☐ C-VIII, Sec. 6 Eminent Engineer(s)

28 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

NOTE: Keys and certificates will be sent to Dr. Hayter in 3-4 weeks.

Approved by: James D. Froula, Secretary-Treasurer

11/25/2003

Rebecca

From: <rptsubmit@tbp.org>
To: <saw3333@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Tuesday, March 02, 2004 9:29 AM
Subject: Eligibility Acknowledgement

To: Sarah Ann Woodard
From: TBP Web Application
Subject: Eligibility Acknowledgement (NOT initiation approval)
IMPORTANT NOTE!!! This is NOT initiation approval!

To the President of Kansas Gamma Chapter
Date March 2, 2004

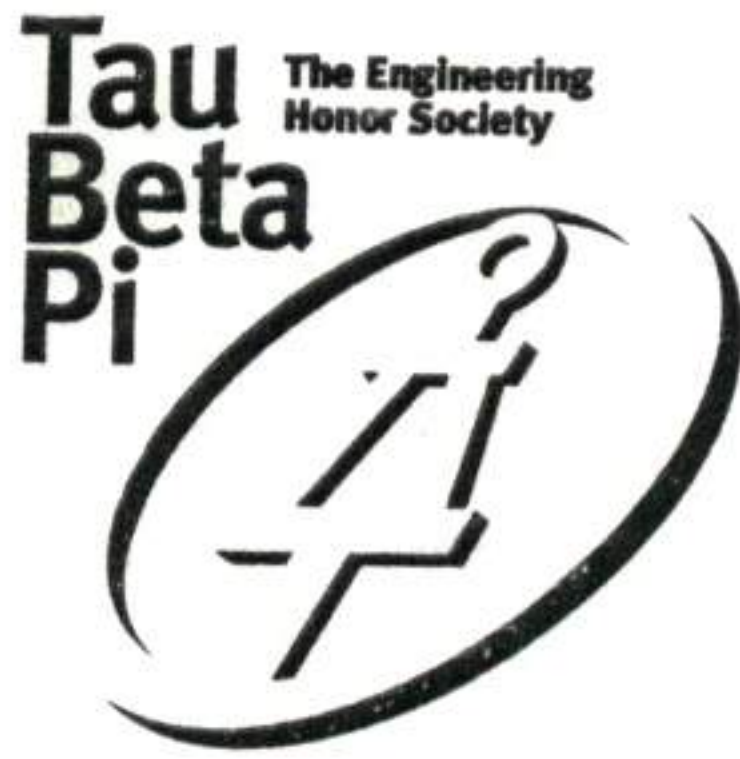
** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
YOU MUST SUBMIT YOUR REPORT OF ELECTION FIRST
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

3/2/2004



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

Patricia B. McDaniel
Director of Communications & Development

April 12, 2004

Eligible Curricula Approved

President, KS G Chapter

The eligible curricula listed in the amended bylaws submitted by your chapter in compliance with Constitution Article VIII Sections 2(f) and 3(b) have been approved by the Executive Council. You may consider students enrolled in those programs for membership in Tau Beta Pi.

Please remember that any future amendments which add to the list of eligible curricula must be ratified by your chapter and Advisory Board and approved by the Executive Council before becoming effective. Amendments which exclude curricula are not subject to Executive Council approval.

Thank you for attending to this important issue in a timely manner.

Roger E. Hawks
For the Executive Council

cc: **KS G Chapter file**
James D. Froula, Secretary-Treasurer
Chief Advisor
D9 Directors

The Tau Beta Pi Association, Inc., Founded 1885

Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org

Rebecca

From: <rptsubmit@tbp.org>
To: <saw3333@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, April 26, 2004 1:03 PM
Subject: Eligibility Acknowledgement

To: Sarah Ann Woodard
From: TBP Web Application
Subject: Eligibility Acknowledgement (NOT initiation approval)
IMPORTANT NOTE!!! This is NOT initiation approval!

To the President of Kansas Gamma Chapter
Date April 26, 2004

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

** Graduate candidates(s) are eligible.

VIII, Sec. 3, as follows: Travis Heier

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
YOU MUST SUBMIT YOUR REPORT OF ELECTION FIRST
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

4/26/2004

Rebecca

From: <rptsubmit@tbp.org>
To: <saw3333@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Monday, April 26, 2004 1:03 PM
Subject: Official Approval To Hold Your Initiation - KS G

To: Sarah Ann Woodard
From: TBP Web Application
Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter Date: April 26, 2004

**** Report(s) of Election for eligible students have been received and your election of 23 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.**

__ Catalog Cards for eligible students have been received and your election of 23 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

**** Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:**

__ Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

Sec. 3: Travis Heier

Sec. 4:

Sec. 5:

Sec. 6:

__ These 23 electee(s) are approved for initiation on 05/03/2004.

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

**** We need Catalog Card(s) for the following electee(s):**

RYAN AIKENS,
MATTHEW SMITH,
BRADLEY BLOOMQUIST,
SAM BRUNER,
ROBERT CHRISTENSEN,
BRIAN KING,
LISA KITTEN,
FEDERICO LOPEZ BERTONI,
SHAYLA SACK,
JOHN SHERRELL,

4/26/2004

LISA MEYER,
Issac Thomas Crabtree,
Dustin Gill,
Nathan Holle,
Jeffrey Holste,
Samuel Linder,
Jacob Nelson,
Justin Owens,
Silpan Patel,
Jake Perkins,
Thomas Pollock,
Matthew Scott,
Kristine Sheedy

Keys and certificates will be ordered when original catalog cards are received in our office AND when the chapter keys in the information on the electronic cards for ALL of the people who are going to be initiated, not just part of them. If you have questions, please contact me. Rebecca

__ Keys have been ordered for delivery as soon as possible (They usually require 3-4 weeks for delivery.)

__ Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Rebecca or Sherry.

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

**THE TAU BETA PI ASSOCIATION
POSTPONED AND FINANCIAL REFUSAL ELECTEES**

Kansas Gamma

Spring 2004

The persons listed below were elected by your chapter during past initiation seasons as noted. They have refused membership for financial reasons (Constitution Article VIII, Section 10) or have simply missed attending a formal initiation. Unless their election is to be cancelled, at the option of your chapter, the following three options apply:

- A) Persons whose names appear on this list and who remain eligible for membership may be initiated at the next regular initiation without re-election. Such electees who graduate may be initiated without re-election within five years from the date of election.
- B) Persons listed who become academically ineligible **and** whose postponements have been **approved and documented** by the Advisory Board may be initiated at the next regular initiation.
- C) Persons listed who become ineligible and whose postponements the Advisory Board, has not approved, **must** become eligible again and be re-elected during a subsequent term in order to be initiated.

If it is inconvenient for them to return to your chapter for initiation, arrangements can be made through the National Headquarters for their initiation by chapters near their homes.

Please indicate the action to be taken on each electee listed: i.e., to be initiated on _____ (date); election cancelled by the chapter; continue financial refusal or postponed status; etc.

RETURN THIS SHEET WITH YOUR REPORT OF ELECTION

Name & Class	State/Date Elected	Advisory Board Approval	RE: Key	Action by Chapter
Matthew A. Smith, '05	Postponed Fall 2003		Not ordered	Cont post

If we have possession of the key for any person to be initiated, it will be returned to you. A new membership certificate will be ordered.

Rebecca

From: <rptsubmit@tbp.org>
To: <jrm7744@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Wednesday, June 16, 2004 2:11 PM
Subject: Final Action Acknowledgement

To: Jared Ryan Mason
From: TBP Web Server
Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter

Date June 16, 2004

The Report of Final Action and photocopy of the Roll Book signatures for your 05/03/2004 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

23 C-VIII, Sec. 2 Undergraduate Student(s)

1 C-VIII, Sec. 3 Graduate Student(s)

__ C-VIII, Sec. 4 Alumnus(i)

__ C-VIII, Sec. 5 Alumnus(i)

__ C-VIII, Sec. 6 Eminent Engineer(s)

24 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

NOTE: Keys and certificates will be sent to Dr. Hayter in 2-3 weeks.

Please send a new copy of the first page of the roll book signatures. Most of Matthew Scott's name was cut off on the copy we received.

Rebecca

6/16/2004

September 3, 2004

Jared Mason, President
Tau Beta Pi, KS-G Chapter
College of Engineering
Kansas State University

RE: Resignation From Advisory Board

Dear Jared:

This letter is to inform you of my resignation as a Member of the KS-G Advisory Board. My resignation is effective immediately.

It is with feelings of pride and sorry that I submit this letter to you. I have great pride in the fact that I have been a KS-G Chief Advisor and a Member of the Advisory Board for 14 years (if my memory serves me right). It has been a source of great pleasure to have worked so closely with "the best of the best" students in the College of Engineering and to have watched the chapter be so successful. Not many people have had that opportunity. But for the last two years, my living in Topeka and my activities here have extremely limited my involvement in the chapter activities. I am sorry to say that I can not foresee that changing in the future. Thus my decision to resign.

With Dr. Richard Hayter being the Chief Advisor for a number of years now, I know the KS-G chapter will continue to be one of the best of the 228 student chapters in the Tau Beta Pi Association that it has been for the last 14 years.

With Warm Regards,

Eddie Fowler, Emeritus Professor
College of Engineering
Kansas State University

Rebecca

From: <rptsubmit@tbp.org>
To: <jrm7744@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Friday, September 10, 2004 1:39 PM
Subject: Eligibility Acknowledgement

To: Jared Ryan Mason
From: TBP Web Application
Subject: Eligibility Acknowledgement (NOT initiation approval)
IMPORTANT NOTE!!! This is NOT initiation approval!

To the President of Kansas Gamma Chapter
Date September 10, 2004

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
YOU MUST SUBMIT YOUR REPORT OF ELECTION FIRST
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

9/10/2004

Rebecca

From: "Rebecca" <rebecca@tbp.org>
To: <rhayter@ksu.edu>
Sent: Friday, November 05, 2004 12:17 PM
Subject: Re: Kansas Gamma

I will add him to the report. In case I don't get him added before the initiation, you do have approval to initiate him.

Thanks for sending the e-mail.

Rebecca M. Davis
 Collegiate Chapter Assistant
 Tau Beta Pi Association
rebecca@tbp.org
www.tbp.org
 865/546-4578

FAX: 865/546-4579

----- Original Message -----

From: <rhayter@ksu.edu>
To: <rebecca@tbp.org>
Cc: "Jared Mason" <jrm7744@ksu.edu>
Sent: Friday, November 05, 2004 10:14 AM
Subject: Kansas Gamma

> Hi Rebecca:

>

> I understand there is question as to Matthew Smith's eligibility for
 > initiation into the Kansas Gamma chapter. Apparently Matthew
 > completed all of the requirements for membership but was unable to
 > attend the installation ceremony.

>

> Matthew's grades still qualify him for membership. He is a fifth
 > year senior and is in the upper 1/5 of his class. With your
 > permission we would like to install Matthew at our ceremony on
 > November 22nd.

>

> Thanks.

>

> Dick Hayter

>

>

> _____
 > Richard B. Hayter, Ph.D., P.E.
 > Assoc. Dean of Engineering for External Affairs
 > 1042 Rathbone Hall
 > Kansas State University
 > Manhattan, KS 66506
 > Phone: (785) 532-5590
 > Fax: 785-532-7810

Rebecca

From: <rptsubmit@tbp.org>
To: <jrm7744@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Tuesday, November 02, 2004 12:26 PM
Subject: Official Approval To Hold Your Initiation - KS G

To: Jared Ryan Mason
 From: TBP Web Application
 Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter Date: November 2, 2004

**** Report(s) of Election for eligible students have been received and your election of 34 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.**

__ Catalog Cards for eligible students have been received and your election of 34 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

__ Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

__ Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

Sec. 3:

Sec. 4:

Sec. 5:

Sec. 6:

**** These 34 electee(s) are approved for initiation on 11/22/2004.**

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

**** We need Catalog Card(s) for the following electee(s):**

AMIR BAHADORI,
 DANIEL BERGES,
 SCOTT CARY,
 JEREMY DREILING,
 CHRISTOPHER FOGLE,
 MITCHELL MUELLER,
 JEFFREY NEWLIN,
 MARK SCHREMPP,
 THOMAS VEHLEWALD,
 BENJAMIN WILLEY,

11/2/2004

JEREMY WOOD,
MEREDITH MARTIN,
DANIEL ROMANS,
MATTHEW COOK,
MARSHALL BIRD,
CRISTINA PEDOTTO,
CHRISTOPHER COOPER,
JESSICA MCFARLAND,
AMY GOOD,
JUDSON BEEMER,
CURT HEMPHILL,
CALLIE SEXTON,
MARK LINDGREN,
BRENT KEJR,
SAMUEL WEAVER,
ANDREA WEHKAMP,
LANE RONEY,
BRANDON HALBERT,
AUSTIN ROBERTS,
LEE NORDHOLM,
KRISTINA GEISLER,
JOSHUA VAN METER,
DIANE BALLOU,
RENEE ECKLUND

Keys and certificates will be ordered after we receive original catalog cards for each initiate. If you have questions, please contact me. Rebecca

___ Keys have been ordered for delivery as soon as possible (They usually require 3-4 weeks for delivery.)

___ Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Rebecca or Sherry.

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

**THE TAU BETA PI ASSOCIATION
POSTPONED AND FINANCIAL REFUSAL ELECTEES**

Kansas Gamma

Fall 2004

The persons listed below were elected by your chapter during past initiation seasons as noted. They have refused membership for financial reasons (Constitution Article VIII, Section 10) or have simply missed attending a formal initiation. Unless their election is to be cancelled, at the option of your chapter, the following three options apply:

- A) Persons whose names appear on this list and who remain eligible for membership may be initiated at the next regular initiation without re-election. Such electees who graduate may be initiated without re-election within five years from the date of election.
- B) Persons listed who become academically ineligible **and** whose postponements have been **approved and documented** by the Advisory Board may be initiated at the next regular initiation.
- C) Persons listed who become ineligible and whose postponements the Advisory Board, has not approved, **must** become eligible again and be re-elected during a subsequent term in order to be initiated.

If it is inconvenient for them to return to your chapter for initiation, arrangements can be made through the National Headquarters for their initiation by chapters near their homes.

Please indicate the action to be taken on each electee listed: i.e., to be initiated on _____ (date); election cancelled by the chapter; continue financial refusal or postponed status; etc.

RETURN THIS SHEET WITH YOUR REPORT OF ELECTION

Name & Class	State/Date Elected	Advisory Board Approval	RE: Key	Action by Chapter
Matthew A. Smith, '05	Postponed Fall 2003		Not ordered	Init 11-22-04

If we have possession of the key for any person to be initiated, it will be returned to you. A new membership certificate will be ordered.

Rebecca

From: <rptsubmit@tbp.org>
To: <jrm7744@ksu.edu>
Cc: <rptsubmit@tbp.org>
Sent: Wednesday, December 08, 2004 10:15 AM
Subject: Final Action Acknowledgement

To: Jared Ryan Mason
From: TBP Web Server
Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter

Date December 8, 2004

The Report of Final Action and photocopy of the Roll Book signatures for your 11/22/2004 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

30 C-VIII, Sec. 2 Undergraduate Student(s)

___ C-VIII, Sec. 3 Graduate Student(s)

___ C-VIII, Sec. 4 Alumnus(i)

___ C-VIII, Sec. 5 Alumnus(i)

___ C-VIII, Sec. 6 Eminent Engineer(s)

30 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

NOTE: Keys and certificates will be sent to Dr. Hayter after the first of the year. If you have questions, please contact me. Rebecca

Approved by: James D. Froula, Secretary-Treasurer

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

12/8/2004

Rebecca Davis

From: rptsubmit@tbp.org
Sent: Wednesday, March 02, 2005 8:57 AM
To: elp8787@ksu.edu
Cc: rptsubmit@tbp.org
Subject: Eligibility Acknowledgement

To: Erin Leah Pasold
From: TBP Web Application
Subject: Eligibility Acknowledgement (NOT initiation approval)
IMPORTANT NOTE!!! This is NOT initiation approval!

To the President of Kansas Gamma Chapter
Date March 2, 2005

** Report of Eligibility received.

** Undergraduate candidates(s) are eligible.

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
YOU MUST SUBMIT YOUR REPORT OF ELECTION FIRST
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

Rebecca Davis

From: Rebecca Davis [rebecca@tbp.org]
Sent: Wednesday, April 13, 2005 9:07 AM
To: Erin Pasold
Subject: RE: KS G

He is on the postponed list. I checked your current report, and it looks like he is not eligible this term. If you don't know why he missed the ceremony last time, you will need to find out. If the advisory board feels that he had a valid reason for missing the Fall 2004 initiation, I need an e-mail from Dr. Hayter stating that Austin had an approved reason for missing the Fall 2004 ceremony. After I receive that e-mail, I will add him to the report of election.

Please call me if you have questions concerning this.

Rebecca M. Davis
Collegiate Chapter Assistant
The Tau Beta Pi Association, Inc.
rebecca@tbp.org
865/546-4578
FAX: 865/546-4579
MAIL: P. O. Box 2697
Knoxville, TN 37901-2697

-----Original Message-----

From: Erin Pasold [mailto:erin_pasold@yahoo.com]
Sent: Tuesday, April 12, 2005 8:14 PM
To: Rebecca
Subject: KS G

Rebecca,

We have on record that we need to initiate an Austin Roberts from last semester. He is not on any lists from headquarters. Can you tell me the status of him?
Thanks.

Erin Pasold
KS G President

Do you Yahoo!?
Yahoo! Small Business - Try our new resources site!
<http://smallbusiness.yahoo.com/resources/>

Rebecca Davis

From: rptsubmit@tbp.org
Sent: Tuesday, April 19, 2005 10:26 AM
To: elp8787@ksu.edu
Cc: rptsubmit@tbp.org
Subject: Official Approval To Hold Your Initiation - KS G

To: Erin Leah Pasold
From: TBP Web Application
Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter

Date: April 19, 2005

** Report(s) of Election for eligible students have been received and your election of 20 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

___ Catalog Cards for eligible students have been received and your election of 20 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.

___ Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

___ Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:

Sec. 3:

Sec. 4:

Sec. 5:

Sec. 6:

** These 20 electee(s) are approved for initiation on 04/26/2005.

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

** We need Catalog Card(s) for the following electee(s):

Joshua Beuerlein,
April Heady-Smith,
Jonathan King,
Aaron Lewis,
Nikolaus Martin,
Amy Phares,
Matthew Weber,
Ryan White,
Dane Pletcher,
Vincent Van Norden,
Ryan Farmer,
Jason Terry,
Peter Clark,
Todd Braddy,
Craig Wanklyn,
Nelson Pratt,
christopher cooper,
jessica mcfarland,
renee ecklund,
Austin Roberts

Austin Roberts has been added to your report. Please make sure he understand that if he is not initiated this time, he will have to become eligible again and go through the complete election process before he can be initiated. If you have questions, please contact me. Rebecca

Keys and certificates will be ordered after we receive original catalog cards for each initiate. If you have questions, please contact me. Rebecca
Keys have been ordered for delivery as soon as possible (They usually require 3-4 weeks for delivery.)

— Certificates have been ordered for delivery as soon as possible.

If you have questions or problems, please call Rebecca or Sherry.

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECtees, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

Patricia B. McDaniel
Director of Communications & Development

April 22, 2005

Non-compliant curricula in Eligibility Report

KS Gamma Chapter President,

Your chapter has submitted at least one Report of Eligibility since January 1, 2002, containing one or more curricula not meeting the new requirements defined in Constitution Article VIII, Section 2(a). Such curricula are listed below.

Your chapter either must cease considering students in such non-compliant curricula prior to the adjournment of the 2006 Convention or else must appeal to the 2005 or 2006 Convention to include such curricula as provided in Section 2(b).

Until then, you may continue to consider students of such non-compliant curricula because of a resolution passed by the 2004 Convention. If you appeal to the 2005 or 2006 Convention, your appeal must be sent to Headquarters by June 1 prior to that year's Convention. A checklist and information about the appeals process are available on the Chapter website (www.tbp.org/chapters/reports).

Thank you for attending to this important issue in a timely manner.

Roger E. Hawks

cc: J.D. Froula, Secretary-Treasurer
Chief Advisor
DD's

Non-compliant curricula:
Computer science
Architecture

The Tau Delta Pi Association, Inc., Founded 1885

Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org

Rebecca Davis

From: Rebecca Davis [rebecca@tbp.org]
Sent: Friday, April 15, 2005 2:39 PM
To: rhayter@ksu.edu
Subject: RE: Kansas Gamma Chapter

*Austin Refused
Election. Must
become eligible
again to be initiated*

Dr. Hayter,

I will add him to the report. In case it doesn't get done before your initiation, you have official approval to initiate Austin. Please make sure he understands that if he doesn't go through the ceremony, he will have to become eligible again and go through the complete election process before he can be initiated.

Thanks.

Rebecca M. Davis
Collegiate Chapter Assistant
The Tau Beta Pi Association, Inc.
rebecca@tbp.org
865/546-4578
FAX: 865/546-4579
MAIL: P. O. Box 2697
Knoxville, TN 37901-2697

-----Original Message-----

From: rhayter@ksu.edu [mailto:rhayter@ksu.edu]
Sent: Friday, April 15, 2005 12:56 PM
To: rebecca@tbp.org
Cc: Erin Pasold
Subject: Kansas Gamma Chapter

Rebecca:

Thank you for your reply to Erin Pasold, president of the Kansas Gamma Chapter, regarding installation of Austin Roberts.

I discussed the situation with all of the advisors of the KS G chapter and we all agree that Austin should be installed. Last semester he completed all the requirements for membership but unfortunately, because of a simple misunderstanding, he did not attend the installation ceremony and came directly to the banquet following the ceremony.

Even though, at the present time, Austin has slipped below the academic requirement, we do feel it is appropriate to install him at our spring ceremony since he did satisfy all requirements last fall.

Thanks for your help.

Dick Hayter, KS G Advisor

Richard B. Hayter, Ph.D., P.E.
Assoc. Dean of Engineering for External Affairs
1042 Rathbone Hall
Kansas State University
Manhattan, KS 66506
Phone: (785) 532-5590
Fax: 785-532-7810
e-mail: rhayter@ksu.edu
College Web: <http://www.engg.ksu.edu>

Rebecca Davis

From: rptsubmit@tbp.org
Sent: Monday, May 09, 2005 10:37 AM
To: elp8787@ksu.edu
Cc: rptsubmit@tbp.org
Subject: Final Action Acknowledgement

To: Erin Leah Pasold
From: TBP Web Server
Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter

Date May 9, 2005

The Report of Final Action and photocopy of the Roll Book signatures for your 04/26/2005 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

18 C-VIII, Sec. 2 Undergraduate Student(s)
— C-VIII, Sec. 3 Graduate Student(s)
— C-VIII, Sec. 4 Alumnus(i)
— C-VIII, Sec. 5 Alumnus(i)
— C-VIII, Sec. 6 Eminent Engineer(s)
18 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

NOTE: Keys and certificates will be sent to Dr. Hayter in 2-3 weeks. Rebecca

Approved by: James D. Froula, Secretary-Treasurer

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

THE TAU BETA PI ASSOCIATION POSTPONED AND FINANCIAL REFUSAL ELECTEES

Kansas Gamma

Spring 2005

The persons listed below were elected by your chapter during past initiation seasons as noted. They have refused membership for financial reasons (Constitution Article VIII, Section 10) or have simply missed attending a formal initiation. Unless their election is to be cancelled, at the option of your chapter, the following three options apply:

- A) Persons whose names appear on this list and who remain eligible for membership may be initiated at the next regular initiation without re-election. Such electees who graduate may be initiated without re-election within five years from the date of election.
- B) Persons listed who become academically ineligible **and** whose postponements have been **approved and documented** by the Advisory Board may be initiated at the next regular initiation.
- C) Persons listed who become ineligible and whose postponements the Advisory Board, has not approved, **must** become eligible again and be re-elected during a subsequent term in order to be initiated.

If it is inconvenient for them to return to your chapter for initiation, arrangements can be made through the National Headquarters for their initiation by chapters near their homes.

Please indicate the action to be taken on each electee listed: i.e., to be initiated on _____(date); election cancelled by the chapter; continue financial refusal or postponed status; etc.

RETURN THIS SHEET WITH YOUR REPORT OF ELECTION

Name & Class	State/Date Elected	Advisory Board Approval	RE: Key	Action by Chapter
Daniel O. Berges, '06	Postponed Fall 2004		Not ordered	Ineligible
Christopher L. Cooper, '07	"		"	Init 4-26
Renee L. Ecklund, '06	"		"	Init 4-26
Jessica E. McFarland, '06	"		"	Init 4-26
Austin G. Roberts, '06	"	APPROVED	"	Refused A Was ineligible Must become eligible again in order to be initiated.

If we have possession of the key for any person to be initiated, it will be returned to you. A new membership certificate will be ordered.

Rebecca Davis

From: rhayter@ksu.edu
Sent: Tuesday, May 10, 2005 3:43 PM
To: rebecca@tbp.org
Subject: Re: New Advisor

Rebecca:

Julia's married name is Julia Keen. She is a member of our Architectural Engineering/Construction Science faculty. Her mailing address is

Prof. Julia Keen
Architectural Engineering/Construction Science Management
248 Seaton Hall
Kansas State University
Manhattan, KS 66506

e-mail: jkeen@ksu.edu
Phone: 785-532-3575

Dick Hayter

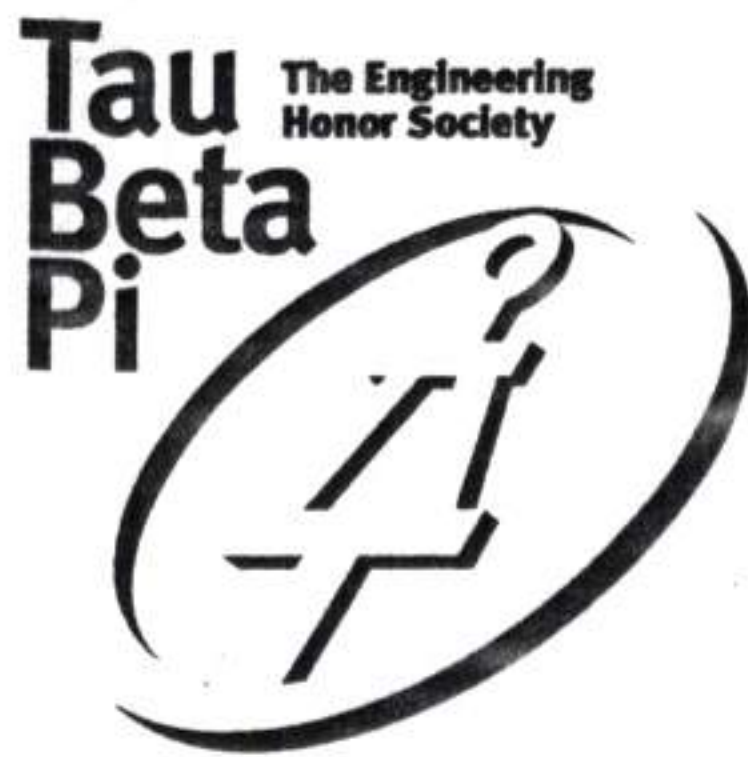
> > > < < <

I need a good address for your new advisor, Julia Trowbridge. The address we have for her is in Waterloo, IA. I also need her e-mail address and phone number.

Thanks.

Rebecca M. Davis
Collegiate Chapter Assistant
The Tau Beta Pi Association, Inc.
rebecca@tbp.org
865/546-4578
FAX: 865/546-4579
MAIL: P. O. Box 2697
Knoxville, TN 37901-2697

Richard B. Hayter, Ph.D., P.E.
Assoc. Dean of Engineering for External Affairs
1042 Rathbone Hall
Kansas State University
Manhattan, KS 66506
Phone: (785) 532-5590
Fax: 785-532-7810
e-mail: rhayter@ksu.edu
College Web: <http://www.engg.ksu.edu>
Personal Web: <http://www.engg.ksu.edu/people/rhayter>



James D. Froula, P.E.

Executive Director, Secretary-Treasurer

Roger E. Hawks

Assistant Secretary-Treasurer

Patricia B. McDaniel

Director of Communications & Development

May 16, 2005

Prof. Julia T. Keen
248 Seaton Hall
Kansas State University
Manhattan, KS 66506

Dear Julia:

Thank you for becoming an advisor to the Kansas Gamma chapter. Enclosed is a manual for new advisors along with some other items that I think would be helpful to you.

Feel free to contact me at Rebecca@tbp.org if I can be of assistance to you. I look forward to working with you, and thank you again for helping our office and Kansas Gamma as a chapter advisor.

Sincerely,

Rebecca M. Davis
Collegiate Chapter Assistant

Enclosures

RMD

The Tau Beta Pi Association, Inc., Founded 1885

Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697

Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org



James D. Froula, P.E.
Executive Director, Secretary-Treasurer

Roger E. Hawks
Assistant Secretary-Treasurer

Patricia B. McDaniel
Director of Communications & Development

June 2, 2005

Curricula in Eligibility Report

President, KS Gamma Chapter

The alleged non-compliant curricula listed below now either meets the requirements of Constitution Article VIII Section 2(a) or will be appealed.

Please remember to use the approved name for curricula in future Reports of Eligibility.

Thank you for attending to this important issue in a timely manner.

Roger E. Hawks

cc: KS G Chapter file
James D. Froula, Secretary-Treasurer
Chief Advisor
D9 Directors

Non-compliant curricula listed: Approved curricula:
Architecture

Non-compliant curricula to be appealed:
Computer science

The Tau Beta Pi Association, Inc., Founded 1885

Member of Association of College Honor Societies

508 Dougherty Engineering Hall, UTK, P.O. Box 2697, Knoxville, Tennessee 37901-2697
Tel: (865) 546-4578 Fax: (865) 546-4579, E-Mail: tbp@tbp.org Internet: www.tbp.org

KS Gamma
Eligibility
Sec 3
Fall 2005



College of Engineering
1042 Rathbone Hall
Kansas State University
Manhattan, KS 66506-5201
(785) 532-5590
rhayter@ksu.edu

FAX# (785) 532-7810

November 7, 2005

FAX to: Rebecca Davis
FAX #: 865-546-4579
From: Richard B. Hayter
Subject: Kansas Gamma
Pages including this cover: 1

Rebecca

Thanks for visiting with me regarding our unusual situation with four initiates in the Kansas Gamma Chapter.

As I explained, one of our academic programs, Architectural Engineering, offers a combined BS/MS program. Their traditional BS program is, by definition, five years. With advanced planning, an undergraduate can add one more year to the curriculum in the combined program and receive their BS and MS degrees at the same time.

As I explained, we have four students that have been nominated by their faculty advisors for membership in Tau Beta Pi as graduate students. They are in the combined program so they will receive their undergraduate and graduate degrees at the same time. As graduate students, they satisfy all the eligibility requirements for membership in Tau Beta Pi.

They are Luke Waldo, Craig Wanklyn, Tiffany Happer and Travis Rudisill.

I would appreciate your help in obtaining approval for admission into Tau Beta Pi at our November 15th initiation and banquet.

Thanks Rebecca.

Sincerely,

Richard B. Hayter, Kansas G Advisor
Associate Dean of Engineering for External Affairs

F A C S I M I L E

Rebecca Davis

From: rptsubmit@tbp.org
Sent: Tuesday, November 08, 2005 1:43 PM
To: bdb8558@ksu.edu
Cc: rptsubmit@tbp.org
Subject: Eligibility Acknowledgement

To: Bradley Douglas Bloomquist
From: TBP Web Application
Subject: Eligibility Acknowledgement (NOT initiation approval)
IMPORTANT NOTE!!! This is NOT initiation approval!

To the President of Kansas Gamma Chapter
Date November 8, 2005

** Report of Eligibility received.
** Undergraduate candidates(s) are eligible.
** Graduate candidates(s) are eligible.

VIII, Sec. 3, as follows: Zhichao Li Tiffany Happer, Travis Rudisill, Luke Waldo, and Craig Wanklyn --
Because we want consistency in Tau Beta Pi, from now on, the combined degree candidates need to be on the
undergraduate report of eligibility. We have a Jared Lee Wagner -- Is that the same person as the Jared Wagner
on your report? If so, he is already a member.

Comments: I still need to know when Julie Maher got her undergraduate degree at Iowa State before approval
can be given to ELECT her. Thanks, Rebecca

***** IMPORTANT NOTE *****
THIS IS ***NOT*** APPROVAL TO HOLD YOUR INITIATION!
YOU MUST SUBMIT YOUR REPORT OF ELECTION FIRST
***** IMPORTANT NOTE *****

Approved by: James D. Froula, Secretary-Treasurer

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the
attachment, and delete the email.

Rebecca Davis

From: Richard B. Hayter [rhayter@ksu.edu]
Sent: Wednesday, November 09, 2005 12:30 PM
To: rebecca@tbp.org
Subject: Re: Graduate Students

Rebecca:

That is correct, I queried our officers about it last night and they verified it.

Thanks for checking.

Dick

> > > < < <

Rebecca Davis wrote:

> Dick,

>

> We received the Report of Election yesterday for the graduate students.

> Tiffany, Travis, Jared, and Luke were marked refused election. Is

> that correct?

>

> Rebecca M. Davis

> Collegiate Chapter Assistant

> The Tau Beta Pi Association, Inc.

> rebecca@tbp.org

> 865/546-4578

> FAX: 865/546-4579

> MAIL: P. O. Box 2697

> Knoxville, TN 37901-2697

>

--

Richard B. Hayter, Ph.D, P.E.
Associate Dean of Engineering for External Affairs
1042 Rathbone Hall
Kansas State University
Manhattan, KS 66506
Phone: 785-532-5590
Fax: 785-532-7810
e-mail: rhayter@ksu.edu
Web: <http://www.engg.ksu.edu/>

Rebecca Davis

From: Richard B. Hayter [rhayter@ksu.edu]
Sent: Wednesday, November 09, 2005 2:11 PM
To: rebecca@tbp.org
Subject: Re: Julie Maher

Rebecca:

I'm forwarding a couple of messages regarding Julie Maher. In summary, she graduated in 2004 rather than 2005 and she has completed at least 50% of her program. Excerpts from two messages follow. Let me know if you need more information.

Thanks.

Dick
> > > > < < < <
Brad,
I just received this email saying you need this information - I think I might have emailed Nick this info also. Sorry for the late reply I have been out of town. I received my degree in Civil Engineering from Iowa State University on December 18th, 2004. Hope this helps. Let me know if you need anything else. Thanks, Julie Maher > > > > < < < <
Dick:

She was here taking classes in spring '05 but she may have also been taking distance classes from ISU to complete her degree in spring '05.
I have asked her to e-mail you with her BS graduation month and year.
She has completed 15 hours of a 30 hour graduate degree based on the records we have here in the department.

I hope this helps.

Julia
> > > < < <
Rebecca Davis wrote:
> Dick,
>
> I have another question. How can Julie Maher be at least 50% complete
> with her Master's requirements? According to her catalog card, she
> got her BS degree from ISU in Spring 2005.
>
> Thanks.
>
> Rebecca M. Davis
> Collegiate Chapter Assistant
> The Tau Beta Pi Association, Inc.
> rebecca@tbp.org
> 865/546-4578
> FAX: 865/546-4579
> MAIL: P. O. Box 2697
> Knoxville, TN 37901-2697
>

--
Richard B. Hayter, Ph.D, P.E.
Associate Dean of Engineering for External Affairs
1042 Rathbone Hall
Kansas State University
Manhattan, KS 66506
Phone: 785-532-5590
Fax: 785-532-7810
e-mail: rhayter@ksu.edu
Web: <http://www.engg.ksu.edu/>

Rebecca Davis

From: rptsubmit@tbp.org
Sent: Monday, November 14, 2005 3:01 PM
To: bdb8558@ksu.edu
Cc: rptsubmit@tbp.org
Subject: Official Approval To Hold Your Initiation - KS G

To: Bradley Douglas Bloomquist
 From: TBP Web Application
 Subject: OFFICIAL APPROVAL TO HOLD YOUR INITIATION

To the President of Kansas Gamma Chapter Date: November 14, 2005

**** Report(s) of Election for eligible students have been received and your election of 30 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.**

**** Catalog Cards for eligible students have been received and your election of 30 undergraduate(s) is hereby approved, under Constitution Article VIII, Section 2.**

**** Report(s) of Election for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:**

**** Catalog Cards for graduate-student, alumnus, and eminent engineer candidate(s) have been received and their election is hereby approved, under Constitution Article VIII, as follows:**

Sec. 3: Zhichao Li, Julie Maher, and Craig Wanklyn

Sec. 4:

Sec. 5:

Sec. 6:

**** These 30 electee(s) are approved for initiation on 11/15/2005.**

NOTE: You may initiate postponed electees if and only if they are eligible for membership at the time of their initiation unless your Advisory Board approved and documented the postponements.)

**** We need Catalog Card(s) for the following electee(s):**

Hans Bennett Brehm, Jonathan Karl Ferlas, Cody Allan Jorgensen, Maggie J Lock, Daniel Peter Mahoney, Alexander Gregory McKee, Nicholas Anthony Van Sickel, Elizabeth Elena Voigt, Emily Anne Voigt, Daniel James Wilson, Kevin Michael Lang, Gerald Alan Hart, Meagan Suzanne Miller, Arlen B Walker, Eric Christopher Martens, Shaun Patrick Paul Quigley, Nathan Samuel McCormick, Megan Carol Smith, Jason O Humphrey, Daniel Wright, Alan Thomas Cebula, Christopher Mick, Clare Elizabeth Seip, Jarod Lynn Brungardt, Kevin Brandt Reynolds, Brandon Paul Damas, Eric James Lumpkin, Timothy Michael Dunn, Matthew William Brooks, James F Mahoney

We have received your cards. However, since you wouldn't get keys and certificates in time for initiation, they will be ordered when your Final Action is processed. Rebecca

If you have questions or problems, please call Rebecca or Sherry.

11/14/2005

Approved by: James D. Froula, Secretary-Treasurer

PLEASE BE SURE TO ACCOUNT FOR ALL ELECTEES, INCLUDING ALUMNI AND ANY FROM YOUR POSTPONED INITIATIONS LIST, ON YOUR REPORT OF FINAL ACTION! THE REPORT OF FINAL ACTION SHOULD BE SENT IMMEDIATELY AFTER YOUR INITIATION, WITH A PHOTOCOPY OF YOUR ROLL BOOK SIGNATURES. ALSO, DOCUMENT ANY APPROVED POSTPONEMENTS.

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.

Rebecca Davis

From: Richard B. Hayter [rhayter@ksu.edu]
Sent: Monday, November 14, 2005 3:22 PM
To: rebecca@tbp.org
Subject: Re: Combined Degree Students

Rebecca:

Thanks for the message.

I agree with Roger's instruction. We will get the process started.

Dick Hayter

Rebecca Davis wrote:

> Per your eligibility acknowledgement -- Student with the combined
> degree must be put on the undergraduate eligibility report from now on
> so they will be consistent with the other schools that have combined
> degree students.
>
> Roger said you need to put this in your chapter bylaws also. If you
> have questions, contact Roger.
>
> Rebecca M. Davis
> Collegiate Chapter Assistant
> The Tau Beta Pi Association, Inc.
> rebecca@tbp.org
> 865/546-4578
> FAX: 865/546-4579
> MAIL: P. O. Box 2697
> Knoxville, TN 37901-2697
>

--

Richard B. Hayter, Ph.D, P.E.
Associate Dean of Engineering for External Affairs
1042 Rathbone Hall
Kansas State University
Manhattan, KS 66506
Phone: 785-532-5590
Fax: 785-532-7810
e-mail: rhayter@ksu.edu
Web: <http://www.engg.ksu.edu/>

**THE TAU BETA PI ASSOCIATION
POSTPONED AND FINANCIAL REFUSAL ELECTEES**

Kansas Gamma

Fall 2005

The persons listed below were elected by your chapter during past initiation seasons as noted. They have refused membership for financial reasons (Constitution Article VIII, Section 10) or have simply missed attending a formal initiation. Unless their election is to be cancelled, at the option of your chapter, the following three options apply:

- A) Persons whose names appear on this list and who remain eligible for membership may be initiated at the next regular initiation without re-election. Such electees who graduate may be initiated without re-election within five years from the date of election.
- B) Persons listed who become academically ineligible **and** whose postponements have been **approved and documented** by the Advisory Board may be initiated at the next regular initiation.
- C) Persons listed who become ineligible and whose postponements the Advisory Board, has not approved, **must** become eligible again and be re-elected during a subsequent term in order to be initiated.

If it is inconvenient for them to return to your chapter for initiation, arrangements can be made through the National Headquarters for their initiation by chapters near their homes.

Please indicate the action to be taken on each electee listed: i.e., to be initiated on _____ (date); election cancelled by the chapter; continue financial refusal or postponed status; etc.

RETURN THIS SHEET WITH YOUR REPORT OF ELECTION

Name & Class	State/Date Elected	Advisory Board Approval	RE: Key	Action by Chapter
Craig A. Wanillyn, '06	Postponed Spring 2005		Not ordered	Init 11-15-05

If we have possession of the key for any person to be initiated, it will be returned to you. A new membership certificate will be ordered.

Rebecca Davis

From: rptsubmit@tbp.org
Sent: Thursday, December 08, 2005 2:53 PM
To: sjbsam@ksu.edu
Cc: rptsubmit@tbp.org
Subject: Final Action Acknowledgement

To: Sam Jason Bruner
From: TBP Headquarters
Subject: FINAL ACTION ACKNOWLEDGEMENT

To the President of the Kansas Gamma Chapter

Date December 8, 2005

The Report of Final Action and photocopy of the Roll Book signatures for your 11/15/2005 initiation has been received. Thank you!

According to your report, your chapter initiated the following:

- 31 C-VIII, Sec. 2 Undergraduate Student(s)
- 2 C-VIII, Sec. 3 Graduate Student(s)
- C-VIII, Sec. 4 Alumnus(i)
- C-VIII, Sec. 5 Alumnus(i)
- C-VIII, Sec. 6 Eminent Engineer(s)
- 33 TOTAL NUMBER OF NEW MEMBERS

If your chapter records do not agree with these figures, please notify me at once. Your chapter account is being charged with national fees and Convention assessments for this total number of new members. The fees and assessments are due within ten days after initiation.

Catalog cards or other materials needed from you to complete our records are noted below and must be sent immediately. If nothing is noted, then our record of the initiation is complete, thank you.

NOTE: I have e-mailed Dr. Hayter to see when he will be leaving school for the holidays. I don't want your keys and certificates floating around school or UPS. They have a tendency to get lost when that happens. If you have questions about this, please contact me. Rebecca

Approved by: James D. Froula, Secretary-Treasurer

TBP will never send an attachment in an unsolicited email. If this email contains an attachment, do not open the attachment, and delete the email.